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Cox JT (*see* Wright et al). 2003;189:295-304 (AJOG reviews)
Coxe MF. A change in medical student attitudes of obstetrics-gynecology clerkships toward seeking consent for pelvic examinations on an anesthetized patient. 2003;189:1808-9 (Letter)
Cramer DW, Hornstein MD, McShane P, Powers RD, Lescault PJ, Vitonis AF, De Vivo I. Human progesterone receptor polymorphisms and implantation failure during in vitro fertilization. 2003;189:1085-92
Crane JMG, Delaney T, Hutchens D. Oral misoprostol for premature rupture of membranes at term. 2003;189:720-4
Creasman WT, Hoel D, DiSaia PJ. WHI: now that the dust has settled. A commentary. 2003;189:621-6 (Editors' choice)
Creech S (*see* Elkadry et al). 2003;189:195-200
Cress R (*see* Smith et al). 2003;189:1128-35
Cristóbal P (*see* Carmona et al). 2003;189:447-52
Croak AJ (*see* Klingele et al). 2003;189:1569-73
Crombleholme TM (*see* Johnson et al). 2003;189:482-7
Crombleholme WR (*see* Lain et al). 2003;189:1196-201
Crowther CA (*see* Dodd et al). 2003;189:1731-5
Cruz AC (*see* Edwards et al). 2003;189:385-90
Cruz-Flores S (*see* Mostello et al). 2003;189:824-9
Cummings S (*see* Modelska and Cummings). 2003;189:899 (Letter reply)
Curhan G (*see* Grodstein et al). 2003;189:428-34
Cushman J (*see* Martin et al). 2003;189:830-4

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Daley S (*see* Mozurkewich et al). 2003;189:1026-30
D'Alton M (*see* González-Quintero et al). 2003;189:813-7
Daltveit AK (*see* Rortveit et al). 2003;189:1268-74
Daly SF (*see* Cotter et al). 2003;189:391-6
Damm P (*see* Jensen et al). 2003;189:239-44
Damm P (*see* Jensen et al). 2003;189:1383-8
Dandolu V (*see* Wong et al). 2003;189:1597-600
Danielsen B (*see* Smith et al). 2003;189:1128-35
Danso KA (*see* Klufio et al). 2003;189:692-6
Daray FM (*see* Errasti et al). 2003;189:1472-80
Darroch JE, Finer LB, Henshaw SK, Jones RK. A history of induced abortion in relation to substance abuse during subsequent pregnancies carried to term. 2003;189:617-8 (Letter)
Darroch JE (*see* Lindsay and Darroch). 2003;189:617 (Letter reply). Correction 2003;189:1172
da Silva O (*see* Victory et al). 2003;189:803-7
Daskalakis G (*see* Pilalis et al). 2003;189:882-3
David M (*see* Stewart et al). 2003;189:48-54
Davidi O (*see* Bar et al). 2003;189:853-7
Davis CC, Kremer MJ, Schlievert PM, Squier CA. Penetration of toxic shock syndrome toxin-1 across porcine vaginal mucosa ex vivo: permeability characteristics, toxin distribution, and tissue damage. 2003;189:1785-91
Davis J (*see* Garcia et al). 2003;189:467-72
Davis LE, Widness JA, Brace RA. Renal and placental secretion of erythropoietin during anemia or hypoxia in the ovine fetus. 2003;189:1763-9
Day L (*see* El-Haddad et al). 2003;189:949-52
Dean E (*see* Lovatsis et al). 2003;189:1601-5
de Avellar MCW (*see* Errasti et al). 2003;189:1472-80
Declercq ER. Clarifying the meaning of vaginal birth. 2003;189:307 (Letter)
de Deus JM, Girão MJBC, Sartori MGF, Baracat EC, de Lima GR, Nader HB, Dietrich CP. Glycosaminoglycan profile in bladder and urethra of castrated rats treated with estrogen, progestogen, and raloxifen. 2003;189:1654-9
Deering SH (*see* Poggi et al). 2003;189:725-9
De Falco M (*see* Di Lieto et al). 2003;189:594-600
de Galaz EM (*see* Garcia et al). 2003;189:467-72
Dekker GA (*see* Althuisius et al). 2003;189:907-10
DeLancey JOL (*see* Fenner et al). 2003;189:1543-50
Delaney T (*see* Crane et al). 2003;189:720-4
de la Rochebrochard E, Thonneau P. Paternal age ≥40 years: an important risk factor for infertility. 2003;189:901-5 (Editors' choice)
de Lima GR (*see* de Deus et al). 2003;189:1654-9
Delvaux T, Buekens P, Thoumsin H, Dramaix M, Collette J. Cord C-peptide and insulin-like growth factor-I, birth weight, and placenta weight among North African and Belgian neonates. 2003;189:1779-84
Delvenne P (*see* Remoue et al). 2003;189:1660-5
de Moor C (*see* Basen-Engquist et al). 2003;189:1136-42
Dempsey JC, Williams MA, Luthy DA, Emanuel I, Shy K. Weight at birth and subsequent risk of preeclampsia as an adult. 2003;189:494-500
DeRoche M (*see* Borgida et al). 2003;189:977-9
Deruelle P, Houfflin-Debarge V, Magnenant E, Jaillard S, Riou Y, Puech F, Storme L. Effects of antenatal glucocorticoids on pulmonary vascular reactivity in the ovine fetus. 2003;189:208-15
Desai M (*see* Ladella et al). 2003;189:1439-44
de Tejada BM (*see* Simhan et al). 2003;189:560-7. Correction 2003;189:1734
Devaraj S (*see* Zeeman et al). 2003;189:574-6
Developmental Epidemiology Network Investigators (*see* McElrath et al). 2003;189:794-8
De Vigan C (*see* Khoshnood et al). 2003;189:1336-42
De Vivo I (*see* Cramer et al). 2003;189:1085-92
De Ziegler D (*see* Cicinelli et al). 2003;189:55-8
Diament P (*see* Gurewitsch et al). 2003;189:1036-41
Diamond MP (*see* Gago et al). 2003;189:1620-6
Dickey RP, Lu PY, Sartor BM. Low birth weight and prematurity in infertility patients. 2003;189:1809-10 (Letter)
Dickinson JE (*see* Reid et al). 2003;189:764-8
Di Donato NG (*see* Celentano et al). 2003;189:880-1
Dierker L (*see* Ehrenberg et al). 2003;189:1726-30
Dietrich AJ, Williams JW Jr, Ciotti MC, Schulkin J, Stotland N, Rost K, Baram D, Cornell J. Depression care attitudes and practices of newer obstetrician-gynecologists: a national survey. 2003;189:267-73 (Education)
Dietrich CP (*see* de Deus et al). 2003;189:1654-9
Digesu GA (*see* Soligo et al). 2003;189:438-43
Di Lieto A, Pollio F, De Falco M, Iannotti F, Mascolo M, Somma P, Staibano S. Collagen content and growth factor immunoexpression in uterine lower segment of type IA osteogenesis imperfecta: relationship with recurrent uterine rupture in pregnancy. 2003;189:594-600
Dillner J (*see* Paavonen et al). 2003;189:1287-92
DiMarco CS (*see* Klingele et al). 2003;189:1569-73
Di Naro E (*see* Cicinelli et al). 2003;189:55-8
Diokno AC (*see* Fultz et al). 2003;189:1275-82
DiSaia PJ (*see* Berman et al). 2003;189:1670-1
DiSaia PJ (*see* Creasman et al). 2003;189:621-6 (Editors' choice)
DiSaia PJ (*see* Loizzi et al). 2003;189:1301-7
Dittus RS (*see* Hartert et al). 2003;189:1705-12

Divon MY (*see* Akyol et al). 2003;189:155-8
Dodd JM, Robinson JS, Crowther CA, Chan A. Stillbirth and neonatal outcomes in South Australia, 1991-2000. 2003;189:1731-5
Dodds L (*see* Chandra et al). 2003;189:775-81
Doh K (*see* Witkin et al). 2003;189:1413-7
Doherty DA (*see* Moss et al). 2003;189:1750-6
Doherty DA (*see* Reid et al). 2003;189:764-8
Dombrowski MP (*see* Lawson et al). 2003;189:1396-7
Donders GGG, Vereecken A, Bosmans E, Spitz B. Vaginal cytokines in normal pregnancy. 2003;189:1433-8
Dorsett BH (*see* Akyol et al). 2003;189:155-8
Dôtsch J (*see* Knerr et al). 2003;189:583-8
Douglas JM Jr (*see* Shlav et al). 2003;189:473-81
Doyle NM, Gardner MO. Prenatal cystic fibrosis screening in Mexican Americans: an economic analysis. 2003;189:769-74
Doyle NM (*see* Monga et al). 2003;189:628-30
Dramaix M (*see* Delvaux et al). 2003;189:1779-84
Droll DA (*see* Mostello et al). 2003;189:824-9
Droste S (*see* Mozurkewich et al). 2003;189:1026-30
Drury K (*see* Williams et al). 2003;189:342-7
Duara S (*see* Wadhawan et al). 2003;189:501-6
Dudler L (*see* Young et al). 2003;189:698-701
Dugoff L, Everett MR, Vontver L, Barley GE. Evaluation of pelvic and breast examination skills of interns in obstetrics and gynecology and internal medicine. 2003;189:655-8
Duma GG (*see* Moorcroft et al). 2003;189:540-4
Duma SM (*see* Moorcroft et al). 2003;189:540-4
Dunn JS (*see* Ellerkmann et al). 2003;189:66-9
Dunn TS, Shlay J, Forshner D. Are in-dwelling catheters necessary for 24 hours after hysterectomy? 2003;189:435-7
Durnwald C, Mercer B. A prospective comparison of total protein/creatinine ratio versus 24-hour urine protein in women with suspected preeclampsia. 2003;189:848-52
Durnwald C, Mercer B. Uterine rupture, perioperative and perinatal morbidity after single-layer and double-layer closure at cesarean delivery. 2003;189:925-9
Duyme M (*see* Salomon et al). 2003;189:1517-22 (Editors' choice)

E

Early External Cephalic Version Trial Group (*see* Hutton et al). 2003;189:245-54
Eben F (*see* Sindos et al). 2003;189:892-3
Ecker JL (*see* Styer et al). 2003;189:1184-6
Ecker JL (*see* Thadhani et al). 2003;189:171-6
Edelman AB, Jensen JT, Lee DM, Nichols MD. Successful medical abortion of a pregnancy within a noncommunicating rudimentary uterine horn. 2003;189:886-7
Edwards L. New concepts in vulvodynia. 2003;189:S24-30
Edwards R (*see* Clark et al). 2003;189:1261-7
Edwards RK, Harnsberger DS, Johnson IM, Treloar RW, Cruz AC. Deciding on route of delivery for obese women with a prior cesarean delivery. 2003;189:385-90
Egan JFX (*see* Borgida et al). 2003;189:977-9
Egarter C (*see* Leitich et al). 2003;189:139-47
Ehrenberg H (*see* Clapp et al). 2003;189:488-93
Ehrenberg HM, Dierker L, Milluzzi C, Mercer BM. Low maternal weight, failure to thrive in pregnancy, and adverse pregnancy outcomes. 2003;189:1726-30
Ehrenberg HM, Huston-Presley L, Catalano PM. The influence of obesity and gestational diabetes mellitus on accretion and the distribution of adipose tissue in pregnancy. 2003;189:944-8
Ehrenstein T (*see* Stewart et al). 2003;189:48-54
Einarson A (*see* Portnoi et al). 2003;189:1374-7
Ekerhovd E, Bullarbo M, Andersch B, Norström A. Vaginal administration of the nitric oxide donor isosorbide mononitrate for cervical ripening at term: a randomized controlled study. 2003;189:1692-7
El-Haddad MA, Ismail Y, Guerra C, Day L, Ross MG. Neuropeptide Y administered into cerebral ventricles stimulates sucrose ingestion in the near-term ovine fetus. 2003;189:949-52
Elkadry E, Kenton K, White P, Creech S, Brubaker L. Do mothers remember key events during labor? 2003;189:195-200
Elkadry EA, Kenton KS, FitzGerald MP, Shott S, Brubaker L. Patient-selected goals: a new perspective on surgical outcome. 2003;189:1551-8
Ellerkmann RM, Dunn JS, McBride AW, Kummer LG, Melick CF, Bent AE, Blomquist JL. A comparison of anticipated pain before and pain rating after the procedure in patients who undergo cystourethroscopy. 2003;189:66-9
Ellis KJ (*see* Butte et al). 2003;189:1423-32
Emanuel I (*see* Dempsey et al). 2003;189:494-500
Endres LK, Krotz S, Grobman WA. Isolated low second-trimester maternal serum β-human chorionic gonadotropin is not associated with adverse pregnancy outcome. 2003;189:755-7
England LJ, Levine RJ, Mills JL, Klebanoff MA, Yu KF, Cnattingius S. Adverse pregnancy outcomes in snuff users. 2003;189:939-43
Ennis C (*see* Manderson et al). 2003;189:507-12
Errasti AE, de Avellar MCW, Daray FM, Tramontano J, Luciani LI, Bard MJL, Maróstica E, Rothlin RP. Human umbilical vein vasoconstriction induced by epinephrine acting on α_{1B}-adrenoceptor subtype. 2003;189:1472-80
Ertl T (*see* Szabó et al). 2003;189:1813 (Letter)
Escamilla JO. Gynecology knots. 2003;189:900 (Letter)
Escamilla JO. Posterior presentation comments. 2003;189:1807 (Letter)
Escobar GJ (*see* Caughey et al). 2003;189:1047-52
Espey E (*see* Ogburn and Espey). 2003;189:666-9
Espinoza J (*see* Gonçalves et al). 2003;189:1792-802
Espinoza J (*see* Kalache et al). 2003;189:1401-6
Ester JB (*see* McKenna et al). 2003;189:1251-6
Eva LJ, MacLean AB, Reid WMN, Rolfe KJ, Perrett CW. Estrogen receptor expression in vulvar vestibulitis syndrome. 2003;189:458-61
Everett MR (*see* Dugoff et al). 2003;189:655-8
Eyali V (*see* Weiss et al). 2003;189:1757-62

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Fadalti M (*see* Reis et al). 2003;189:1361-7
Falcone T (*see* Whiteside et al). 2003;189:1574-8
Falkensammer P (*see* Gonçalves et al). 2003;189:1792-802
Fanaroff AA (*see* Wadhawan et al). 2003;189:501-6
Farag NH, Nelesen RA, Mills PJ. Hormone replacement therapy and autonomic cardiovascular functions: the impact of heart rate variability analyses methods. 2003;189:896-7 (Letter reply)
Farb R (*see* Lam et al). 2003;189:1012-6
Farmer DL (*see* Paek et al). 2003;189:702-5
Feitoza SS, Gebhart JB, Gostout BS, Wilson TO, Cliby WA. Efficacy of thermal balloon ablation in patients with abnormal uterine bleeding. 2003;189:453-7
Feldman DM, Borgida AF, Rodis JF, Leo MV, Campbell WA. A randomized comparison of two regimens of misoprostol for second-trimester pregnancy termination. 2003;189:710-3
Fenner DE, Genberg B, Brahma P, Marek L, DeLancey JOL. Fecal and urinary incontinence after vaginal delivery with anal sphincter disruption in an obstetrics unit in the United States. 2003;189:1543-50
Fenner DE (*see* Cornella et al). 2003;189:130-5
Fenner DE (*see* Fialkow et al). 2003;189:127-9
Fenner DE (*see* Melville et al). 2003;189:76-80
Ferber A (*see* Akyol et al). 2003;189:155-8
Fernandez H (*see* Salomon et al). 2003;189:1517-22 (Editors' choice)
Ferreira E (*see* Bujold et al). 2003;189:1070-3
Ferro A, Byck D, Gallup D. Intraoperative and postoperative morbidity associated with cystoscopy performed in patients undergoing gynecologic surgery. 2003;189:354-7
Fialkow MF, Melville JL, Lentz GM, Miller EA, Miller J, Fenner DE. The functional and psychosocial impact of fecal incontinence on women with urinary incontinence. 2003;189:127-9
Fialkow MF (*see* Melville et al). 2003;189:76-80

Finer LB (*see* Darroch et al). 2003;189:617-8 (Letter)
Finnerty JJ (*see* Williams et al). 2003;189:333-41
Fiorica JV (*see* Cardosi et al). 2003;189:380-4
Fischer JR (*see* McKenna et al). 2003;189:1251-6
Fischer T (*see* Schlembach et al). 2003;189:1418-22
FitzGerald MP, Brubaker L. Colpocleisis and urinary incontinence. 2003;189:1241-4
FitzGerald MP (*see* Elkadry et al). 2003;189:1551-8
Fitzpatrick M, O'Brien C, O'Connell PR, O'Herlihy C. Patterns of abnormal pudendal nerve function that are associated with postpartum fecal incontinence. 2003;189:730-5
Flake AW (*see* Johnson et al). 2003;189:482-7
Fleming AD (*see* Fogarty et al). 2003;189:652-4
Fleming R (*see* Gaudoin and Fleming). 2003;189:1810-1 (Letter reply)
Florio P (*see* Reis et al). 2003;189:1361-7
Fogarty CA, Bonebrake RG, Fleming AD, Haynatzki G. Obstetrics and gynecology—to be or not to be? Factors influencing one's decision. 2003;189:652-4
Foglia LM (*see* Nielsen et al). 2003;189:858-60 (Education)
Foglia LM (*see* Nielsen et al). 2003;189:1257-60
Follen M (*see* Basen-Engquist et al). 2003;189:1136-42
Fong J (*see* Gurewitsch et al). 2003;189:1036-41
Forhead AJ (*see* Zimmermann et al). 2003;189:1467-71
Forshner D (*see* Dunn et al). 2003;189:435-7
Foster M (*see* Shlay et al). 2003;189:473-81
Fowden AL (*see* Zimmermann et al). 2003;189:1467-71
Fox MD (*see* Hicks et al). 2003;189:348-53
Franco EL (*see* Rohan et al). 2003;189:S37-9
Franke B (*see* Groenen et al). 2003;189:1713-9
Franke HR (*see* Post et al). 2003;189:1221-7
Frattarelli LC, Kasuya R. Implementation and evaluation of a training program to improve resident teaching skills. 2003;189:670-3
Frazier LM (*see* Lashbrook et al). 2003;189:662-5
Frederick M (*see* Minkoff et al). 2003;189:552-9
Freeman MF (*see* Hicks et al). 2003;189:348-53
Freeman RK. The evolution of antepartum fetal testing methods. 2003;189:310 (Letter)
Freeman RM (*see* Lose et al). 2003;189:1106-13
Freire S (*see* Loureiro et al). 2003;189:1350-5
Fretts R (*see* Grodstein et al). 2003;189:428-34
Fritel X (*see* Barranger et al). 2003;189:1245-50
Frostegård J, Wramsby ML, Wu R, Bremme K. Antibodies against platelet-activating factor and platelet-activating factor–like lipids are raised in women with primary recurrent abortion. 2003;189:568-73
Frydman R (*see* Salomon et al). 2003;189:1517-22 (Editors' choice)
Fujii EY. Base excess during cord occlusion. 2003;189:1812-3 (Letter reply)
Fujimoto V (*see* Paek et al). 2003;189:702-5
Fultz NH, Burgio K, Diokno AC, Kinchen KS, Obenchain R, Bump RC. Burden of stress urinary incontinence for community-dwelling women. 2003;189:1275-82
Fung KFK, Fung MFK, Bordage G, Norman G. Interactive voice response to assess residents' laparoscopic skills: an instrument validation study. 2003;189:674-8
Fung MFK (*see* Fung et al). 2003;189:674-8
Furui T (*see* Sugiyama et al). 2003;189:1666-9
Fusch C (*see* Knerr et al). 2003;189:583-8
Fyffe J (*see* von Pechmann et al). 2003;189:121-6

G

Gaeta TJ (*see* Birkhahn et al). 2003;189:1293-6
Gago LA, Saed GM, Wang RX, Kruger M, Diamond MP. Effects of oxidized regenerated cellulose on the expression of extracellular matrix and transforming growth factor-β1 in human peritoneal fibroblasts and mesothelial cells. 2003;189:1620-6
Galan HL (*see* Pollack et al). 2003;189:958-62
Galantino P (*see* Cicinelli et al). 2003;189:55-8
Gallup D (*see* Ferro et al). 2003;189:354-7
Gandhi S (*see* Goldberg et al). 2003;189:1627-31
Garcia F, de Galaz EM, Baldwin S, Papenfuss M, Giuliano AR, Hatch K, Davis J. Factors that affect the quality of cytologic cervical cancer screening along the Mexico–United States border. 2003;189:467-72
Gardner DS (*see* Zimmermann et al). 2003;189:1467-71
Gardner MO (*see* Doyle and Gardner). 2003;189:769-74
Garfield RE (*see* Maul et al). 2003;189:963-7
Garfield RE (*see* Schlembach et al). 2003;189:1418-22
Garite TJ. Dr Romero: new associate editor. 2003;189:3 (Editorial)
Garite TJ (*see* Chung et al). 2003;189:1031-5
Garite TJ (*see* Chung et al). 2003;189:1058-62
Garite TJ (*see* Gorenberg et al). 2003;189:136-8
Gaudoin M, Fleming R. Low birth weight and prematurity in infertility patients. 2003;189:1810-1 (Letter reply)
Gauthier RJ (*see* Bujold et al). 2003;189:895-6 (Letter reply)
Gebhart JB (*see* Feitoza et al). 2003;189:453-7
Gebhart JB (*see* Klingele et al). 2003;189:1569-73
Gedroyc WMW (*see* Stewart et al). 2003;189:48-54
Genberg B (*see* Fenner et al). 2003;189:1543-50
Gerber S (*see* Witkin et al). 2003;189:1413-7
Gerdes JS (*see* Abbasi et al). 2003;189:782-5
Germain AM, Kato S, Carvajal JA, Valenzuela GJ, Valdes GL, Glasinovic JC. Bile acids increase response and expression of human myometrial oxytocin receptor. 2003;189:577-82
Gervasi MT (*see* Reis et al). 2003;189:1361-7
Ghidini A (*see* Poggi et al). 2003;189:725-9
Ghidini A (*see* Vergani et al). 2003;189:1007-11
Giancotti FR (*see* Akyol et al). 2003;189:155-8
Gibbons W (*see* Andrews et al). 2003;189:327-32
Girão MJBC (*see* de Deus et al). 2003;189:1654-9
Giuliano AR (*see* Garcia et al). 2003;189:467-72
Giussani DA (*see* Zimmermann et al). 2003;189:1467-71
Givens VM (*see* Vogt et al). 2003;189:688-91
Glasinovic JC (*see* Germain et al). 2003;189:577-82
Glezerman M (*see* Lurie and Glezerman). 2003;189:1803-6 (AJOG reviews)
Gogliotti S (*see* Luke et al). 2003;189:934-8
Gokina NI, Mandalà M, Osol G. Induction of localized differences in rat uterine radial artery behavior and structure during gestation. 2003;189:1489-93
Goldberg R (*see* Wadhawan et al). 2003;189:501-6
Goldberg RP, Kwon C, Gandhi S, Atkuru LV, Sorensen M, Sand PK. Prevalence of anal incontinence among mothers of multiples and analysis of risk factors. 2003;189:1627-31
Goldenberg RL, Thompson C. The infectious origins of stillbirth. 2003;189:861-73 (AJOG reviews)
Goldin RD (*see* Stewart et al). 2003;189:48-54
Goldman S (*see* Weiss et al). 2003;189:1757-62
Goldstein SR (*see* Timor-Tritsch et al). 2003;189:1074-9
Gomez R (*see* Kim et al). 2003;189:1063-9
Gómez-Marín O (*see* Salom et al). 2003;189:1563-8
Gonçalves LF, Lee W, Chaiworapongsa T, Espinoza J, Schoen ML, Falkensammer P, Treadwell M, Romero R. Four-dimensional ultrasonography of the fetal heart with spatiotemporal image correlation. 2003;189:1792-802
Goncalves LF (*see* Kalache et al). 2003;189:1401-6
Gonik B, Zhang N, Grimm MJ. Prediction of brachial plexus stretching during shoulder dystocia using a computer simulation model. 2003;189:1168-72
Gonzalez CL (*see* Christensen et al). 2003;189:1452-7
Gonzalez DI Jr (*see* Zahn et al). 2003;189:43-7
González-Quintero VH, Jiménez JJ, Jy W, Mauro LM, Hortman L, O'Sullivan MJ, Ahn Y. Elevated plasma endothelial microparticles in preeclampsia. 2003;189:589-93
González-Quintero VH, Luke B, O'Sullivan MJ, Misiunas R, Anderson E, Nugent C, Witter F, Mauldin J, Newman R, D'Alton M, Grainger D, Saade G, Hankins G, Macones G. Antenatal factors associated with significant birth weight discordancy in twin gestations. 2003;189:813-7
Goode PS (*see* Richter et al). 2003;189:1590-6

Goodman J. Procedural risks versus theology: chorionic villus sampling for Orthodox Jews at less than 8 weeks' gestation. 2003;189:309 (Letter)
Goodwin K (*see* Poggi et al). 2003;189:790-3
Goodwin KM (*see* Poggi et al). 2003;189:786-9
Gorenberg DM, Pattillo C, Hendi P, Rumney PJ, Garite TJ. Fetal pulse oximetry: correlation between oxygen desaturation, duration, and frequency and neonatal outcomes. 2003;189:136-8
Gorenflo DW (*see* Aikens et al). 2003;189:462-6
Gorti M, Ugwumadu A. Cost-effectiveness of induction after preterm premature rupture of the membranes. 2003;189:305 (Letter)
Goshen Y (*see* Bar et al). 2003;189:853-7
Gostout BS (*see* Feitoza et al). 2003;189:453-7
Grab D (*see* Weyermann et al). 2003;189:526-31
Grable IA. Cost-effectiveness of induction after preterm premature rupture of membranes. 2003;189:305 (Letter reply)
Grable IA. Cost-effectiveness of induction after preterm premature rupture of the membranes. 2003;189:306 (Letter reply)
Grable IA, Heine RP. Neutrophil granule products: can they identify subclinical chorioamnionitis in patients with preterm premature rupture of membranes? 2003;189:808-12
Grainger D (*see* González-Quintero et al). 2003;189:813-7
Grambow SC (*see* Abel et al). 2003;189:986-9
Graves CR (*see* Jenkins et al). 2003;189:1516 (Letter reply)
Gray RH (*see* Kigozi et al). 2003;189:1398-400
Gregory T (*see* Clark et al). 2003;189:1261-7
Grendys EC Jr (*see* Cardosi et al). 2003;189:380-4
Griffin D (*see* Hoffman and Griffin). 2003;189:1515 (Letter)
Griffin MR (*see* Hartert et al). 2003;189:1705-12
Grimaldi E (*see* Sartore et al). 2003;189:894
Grimm MJ (*see* Gonik et al). 2003;189:1168-72
Grobman WA (*see* Endres et al). 2003;189:755-7
Grodstein F, Fretts R, Lifford K, Resnick N, Curhan G. Association of age, race, and obstetric history with urinary symptoms among women in the Nurses' Health Study. 2003;189:428-34
Grody MHT (*see* Wong et al). 2003;189:1597-600
Groenen PM, Peer PG, Wevers RA, Swinkels DW, Franke B, Mariman EC, Steegers-Theunissen RP. Maternal *myo*-inositol, glucose, and zinc status is associated with the risk of offspring with spina bifida. 2003;189:1713-9
Gronowski AM, Parvin CA. Prediction of risk for respiratory distress syndrome using gestational age and the TDx-FLM II assay. 2003;189:1511-2 (Letter)
Guaschino S (*see* Sartore et al). 2003;189:894
Guerra C (*see* El-Haddad et al). 2003;189:949-52
Gunnarsson M (*see* Teleman et al). 2003;189:1100-5
Gunter J. Genital and perianal warts: new treatment opportunities for human papillomavirus infection. 2003;189:S3-11
Gupta C (*see* Lovatsis et al). 2003;189:1601-5
Gupta M (*see* Kalish et al). 2003;189:706-9
Gupta M (*see* Kalish et al). 2003;189:911-4
Gurewitsch ED, Johnson E, Allen RH, Diament P, Fong J, Weinstein D, Chervenak FA. The descent curve of the grand multiparous woman. 2003;189:1036-41

H

Hadden DR (*see* Manderson et al). 2003;189:507-12
Hadi HA (*see* Sherard et al). 2003;189:358-63
Haefner HK (*see* Aikens et al). 2003;189:462-6
Hagberg H (*see* Jacobsson et al). 2003;189:1161-7
Hagglund KH (*see* Lawson et al). 2003;189:1396-7
Hajdu C (*see* Akyol et al). 2003;189:155-8
Hakulinen T (*see* Paavonen et al). 2003;189:1287-92
Hale DS (*see* von Pechmann et al). 2003;189:121-6
Hall DC (*see* Hoffman et al). 2003;189:364-71
Hallmans G (*see* Paavonen et al). 2003;189:1287-92
Halvorson M (*see* Mozurkewich et al). 2003;189:1026-30
Hamilton EF (*see* Bujold et al). 2003;189:895-6 (Letter reply)
Hammill H (*see* Minkoff et al). 2003;189:552-9
Handke-Vesely A (*see* Weyermann et al). 2003;189:526-31
Hankins G (*see* González-Quintero et al). 2003;189:813-7
Hannah ME (*see* Beleˇ-Rak et al). 2003;189:1679-87
Hannah ME (*see* Hutton et al). 2003;189:245-54
Hannah ME (*see* Su et al). 2003;189:740-5
Hannah WJ (*see* Su et al). 2003;189:740-5
Hannestad YS (*see* Rortveit et al). 2003;189:1268-74
Harb TS (*see* Nassar et al). 2003;189:513-8
Harding R (*see* Moss et al). 2003;189:1750-6
Harlow BL (*see* Joffe et al). 2003;189:1523-30
Harman CR (*see* Baschat et al). 2003;189:758-63
Harmanli OH (*see* Wong et al). 2003;189:1597-600
Harnsberger DS (*see* Edwards et al). 2003;189:385-90
Harper CC, Minnis AM, Padian NS. Sexual partners and use of emergency contraception. 2003;189:1093-9
Harris EL (*see* Vuckovic et al). 2003;189:S48-53
Harrison MR (*see* Paek et al). 2003;189:702-5
Hartert TV, Neuzil KM, Shintani AK, Mitchel EF Jr, Snowden MS, Wood LB, Dittus RS, Griffin MR. Maternal morbidity and perinatal outcomes among pregnant women with respiratory hospitalizations during influenza season. 2003;189:1705-12
Hashimoto K (*see* Clapp et al). 2003;189:488-93
Hatab M (*see* Zeeman et al). 2003;189:968-72
Hatch K (*see* Garcia et al). 2003;189:467-72
Hausman N, Beharry K, Nishihara K, Akmal Y, Stavitsky Y, Asrat T. Response of fetal prostanoids, nitric oxide, and ductus arteriosus to the short- and long-term antenatal administration of celecoxib, a selective cyclo-oxygenase-2 inhibitor, in the pregnant rabbit. 2003;189:1743-9
Hausman N, Beharry KD, Nishihara KC, Akmal Y, Asrat T. Effect of the antenatal administration of celecoxib during the second and third trimesters of pregnancy on prostaglandin, cytokine, and nitric oxide levels in rabbits. 2003;189:1736-42
Hauth JC (*see* Rouse et al). 2003;189:166-70
Hayashi M, Ohkura T, Inaba N. Elevation of serum macrophage colony-stimulating factor before the clinical manifestations of preeclampsia. 2003;189:1356-60
Haynatzki G (*see* Fogarty et al). 2003;189:652-4
Hedrick HL (*see* Johnson et al). 2003;189:482-7
Heier L (*see* Sharma et al). 2003;189:990-3
Heine RP (*see* Grable and Heine). 2003;189:808-12
Heller G (*see* Tekesin et al). 2003;189:532-9
Hellmeyer L (*see* Tekesin et al). 2003;189:532-9
Hemsell DL. Foreword: diagnosis of and novel treatment options for genital dermatoses. 2003;189:S1-2
Hendi P (*see* Gorenberg et al). 2003;189:136-8
Hendrix SL. Menopausal hormone therapy informed consent. 2003;189:S31-6 (Editorial)
Hendrix SL (*see* Richter et al). 2003;189:37-42
Henrichs CE (*see* Chauhan et al). 2003;189:408-17
Henshaw SK (*see* Darroch et al). 2003;189:617-8 (Letter)
Hentz J (*see* Cornella et al). 2003;189:130-5
Herbert DC (*see* Suzuki et al). 2003;189:216-21
Herbert WNP, Chisholm CA. Prediction of respiratory distress syndrome. 2003;189:1512-3 (Letter)
Herbst MA, Mercer BM, Beazley D, Meyer N, Carr T. Relationship of prenatal care and perinatal morbidity in low-birthweight infants. 2003;189:930-3
Hershow R (*see* Minkoff et al). 2003;189:552-9
Hertzberg BS (*see* Abel et al). 2003;189:986-9
Hewson S (*see* Su et al). 2003;189:740-5
Hewson SA (*see* Hutton et al). 2003;189:245-54
Hibner M (*see* Cornella et al). 2003;189:130-5
Hicks ABT, Fox MD, Sanchez-Ramos L, Kaunitz AM, Freeman MF. Clinical characteristics of patients with an abnormal clomiphene citrate challenge test. 2003;189:348-53
Hilger WS, Poulson M, Norton PA. Long-term results of abdominal sacrocolpopexy. 2003;189:1606-11
Hill J (*see* Hollier et al). 2003;189:1178-83
Hill JM (*see* Poggi et al). 2003;189:786-9
Hill JM (*see* Poggi et al). 2003;189:790-3
Hill MK (*see* Berghella et al). 2003;189:312-7 (Editors' choice)

Hillier SL (*see* Simhan et al). 2003;189:560-7. Correction 2003;189:1734
Hillier SL (*see* Simhan et al). 2003;189:1150-4
Hindley JT (*see* Stewart et al). 2003;189:48-54
Hines JF (*see* Zahn et al). 2003;189:43-7
Hirsch R (*see* Bar et al). 2003;189:853-7
Hirvonen EJ (*see* Välimäki et al). 2003;189:1213-20
Hnat MD, Sibai BM, Kovilam O. An initial Glasgow score of 4 and Apgar scores of 9 and 9: a case report of a pregnant comatose woman. 2003;189:877-9
Hod M (*see* Bar et al). 2003;189:853-7
Hodnett E (*see* Hutton et al). 2003;189:245-54
Hodson CA (*see* Sherard et al). 2003;189:358-63
Hoel D (*see* Creasman et al). 2003;189:621-6 (Editors' choice)
Hoeldtke NJ (*see* Howard et al). 2003;189:835-8
Hoeldtke NJ (*see* Kovac et al). 2003;189:839-42
Hoffman MS, Cardosi RJ, Lockhart J, Hall DC, Murphy SJ. Vaginectomy with pelvic herniorrhaphy for prolapse. 2003;189:364-71
Hoffman MS, Griffin D. Radical trachelectomy. 2003;189:1515 (Letter)
Hoffman MS (*see* Cardosi et al). 2003;189:380-4
Hogge WA, Byrnes AL, Lanasa MC, Surti U. The clinical use of karyotyping spontaneous abortions. 2003;189:397-402
Hohlagschwandtner M (*see* Joura et al). 2003;189:895 (Letter)
Holbert D (*see* Lowder et al). 2003;189:1559-62
Holland RHB (*see* Nielsen et al). 2003;189:858-60 (Education)
Holley RL (*see* Richter et al). 2003;189:1590-6
Hollier LM, Hill J, Sheffield JS, Wendel GD Jr. State laws regarding prenatal syphilis screening in the United States. 2003;189:1178-83
Holst R-M (*see* Jacobsson et al). 2003;189:1161-7
Holzgreve W (*see* Young et al). 2003;189:698-701
Hong J-S (*see* Yoon et al). 2003;189:919-24
Hopkins MP. The effect of various insufflation gases on tumor implantation in an animal model. 2003;189:616 (Letter reply)
Hopkinson JM (*see* Butte et al). 2003;189:1423-32
Horbelt DV (*see* Lashbrook et al). 2003;189:662-5
Hornstein MD (*see* Cramer et al). 2003;189:1085-92
Horrocks J (*see* Mozurkewich et al). 2003;189:1026-30
Hortman L (*see* González-Quintero et al). 2003;189:589-93
Houfflin-Debarge V (*see* Deruelle et al). 2003;189:208-15
Howard BC, Kovac CM, Calhoun BC, Hoeldtke NJ, Napolitano PG. The effects of a cyclo-oxygenase II inhibitor on placental artery production of thromboxane and prostacyclin. 2003;189:835-8
Howard BC (*see* Kovac et al). 2003;189:839-42
Howell LJ (*see* Johnson et al). 2003;189:482-7
Hsu-Blatman K (*see* Thadhani et al). 2003;189:171-6
Hsueh S (*see* Huang et al). 2003;189:16-21
Huang K-G, Wang C-J, Chang T-C, Liou J-D, Hsueh S, Lai C-H, Huang L-W. Management of port-site metastasis after laparoscopic surgery for ovarian cancer. 2003;189:16-21
Huang L-W (*see* Huang et al). 2003;189:16-21
Huang WH (*see* Chung et al). 2003;189:1031-5
Hullfish KL (*see* Christianson et al). 2003;189:255-60
Hummel P (*see* Althuisius et al). 2003;189:907-10
Hunskaar S (*see* Rortveit et al). 2003;189:1268-74
Hunt BJ (*see* Stone et al). 2003;189:274-9 (Education)
Hunter CJ (*see* Lotgering et al). 2003;189:233-8
Hunter T (*see* Kalish et al). 2003;189:736-9
Husslein P (*see* Joura et al). 2003;189:895 (Letter)
Husslein P (*see* Leitich et al). 2003;189:139-47
Huston-Presley L (*see* Catalano et al). 2003;189:1698-704
Huston-Presley L (*see* Ehrenberg et al). 2003;189:944-8
Hutchens D (*see* Crane et al). 2003;189:720-4
Hutton E (*see* Su et al). 2003;189:740-5
Hutton EK, Kaufman K, Hodnett E, Amankwah K, Hewson SA, McKay D, Szalai JP, Hannah ME, Early External Cephalic Version Trial Group. External cephalic version beginning at 34 weeks' gestation versus 37 weeks' gestation: a randomized multicenter trial. 2003;189:245-54

I

Iannotti F (*see* Di Lieto et al). 2003;189:594-600
Ikegami M (*see* Moss et al). 2003;189:1389-95
Ikegami M (*see* Moss et al). 2003;189:1770-6
Ikegami M (*see* Newnham et al). 2003;189:1458-66
Imai A (*see* Sugiyama et al). 2003;189:1666-9
Inaba N (*see* Hayashi et al). 2003;189:1356-60
Inbar Y (*see* Stewart et al). 2003;189:48-54
Inoue K-i (*see* Tsunoda et al). 2003;189:888-9
Ioannidis JPA (*see* Makrydimas et al). 2003;189:1330-5
Ismail Y (*see* El-Haddad et al). 2003;189:949-52
Itoh T (*see* Suzuki et al). 2003;189:216-21

J

Jackson M (*see* Sullivan et al). 2003;189:1310-3
Jacobs N (*see* Remoue et al). 2003;189:1660-5
Jacobsson B, Holst R-M, Wennerholm U-B, Andersson B, Lilja H, Hagberg H. Monocyte chemotactic protein-1 in cervical and amniotic fluid: relationship to microbial invasion of the amniotic cavity, intra-amniotic inflammation, and preterm delivery. 2003;189:1161-7
Jacquemyn Y. Fetal electrocardiography in labor and neonatal outcome. 2003;189:308 (Letter)
Jacques S (*see* Barnholtz-Sloan et al). 2003;189:1120-7
Jaillard S (*see* Deruelle et al). 2003;189:208-15
Jain T, Klein NA, Lee DM, Sluss PM, Soules MR. Endocrine assessment of relative reproductive age in normal eumenorrheic younger and older women across multiple cycles. 2003;189:1080-4
Jan W-C (*see* Wang et al). 2003;189:1407-12
Jellum E (*see* Paavonen et al). 2003;189:1287-92
Jellyman JK (*see* Zimmermann et al). 2003;189:1467-71
Jelsema RD. Cost-effectiveness of induction after preterm premature rupture of membranes. 2003;189:305 (Letter)
Jenkins TM, Troiano NH, Graves CR. Mechanical ventilation in an obstetric population. 2003;189:1516 (Letter reply)
Jenkins TM (*see* Pereira et al). 2003;189:1002-6
Jenkins TR. It's time to challenge surgical dogma with evidence-based data. 2003;189:423-7 (Clin. opinion)
Jensen DM, Damm P, Sórensen B, Mólsted-Pedersen L, Westergaard JG, Ovesen P, Beck-Nielsen H. Pregnancy outcome and prepregnancy body mass index in 2459 glucose-tolerant Danish women. 2003;189:239-44
Jensen DM, Mólsted-Pedersen L, Beck-Nielsen H, Westergaard JG, Ovesen P, Damm P. Screening for gestational diabetes mellitus by a model based on risk indicators: a prospective study. 2003;189:1383-8
Jensen JT (*see* Edelman et al). 2003;189:886-7
Jiang X-Y (*see* Wang et al). 2003;189:1407-12
Jiménez JJ (*see* González-Quintero et al). 2003;189:589-93
Jobe AH, Newnham JP, Moss TJM. Fetal betamethasone treatment and neonatal outcome in preeclampsia and intrauterine growth restriction. 2003;189:1813-4 (Letter reply)
Jobe AH (*see* Moss et al). 2003;189:1389-95
Jobe AH (*see* Moss et al). 2003;189:1770-6
Jobe AH (*see* Newnham et al). 2003;189:1458-66
Joffe H, Cohen LS, Harlow BL. Impact of oral contraceptive pill use on premenstrual mood: predictors of improvement and deterioration. 2003;189:1523-30
Johnson E (*see* Gurewitsch et al). 2003;189:1036-41
Johnson IM (*see* Edwards et al). 2003;189:385-90
Johnson M (*see* Mozurkewich et al). 2003;189:1026-30
Johnson MP, Sutton LN, Rintoul N, Crombleholme TM, Flake AW, Howell LJ, Hedrick HL, Wilson RD, Adzick NS. Fetal myelomeningocele repair: short-term clinical outcomes. 2003;189:482-7
Johnson T (*see* Klufio et al). 2003;189:692-6
Jones H Jr (*see* Andrews et al). 2003;189:327-32
Jones RK (*see* Darroch et al). 2003;189:617-8 (Letter)

Joura EA, Nather A, Hohlagschwandtner M, Husslein P. The impact of a single- or double-layer closure on uterine rupture. 2003;189:895 (Letter)
Jun JK (*see* Yoon et al). 2003;189:919-24
Jung B-K (*see* Lee et al). 2003;189:261-6
Jy W (*see* González-Quintero et al). 2003;189:589-93

K

Kahhale S (*see* Loureiro et al). 2003;189:1350-5
Kaider A (*see* Leitich et al). 2003;189:139-47
Kalache K, Romero R, Goncalves LF, Chaiworapongsa T, Espinoza J, Schoen ML, Treadwell MC, Lee W. Three-dimensional color power imaging of the fetal hepatic circulation. 2003;189:1401-6
Kalish RB, Chasen ST, Chervenak FA. Impact of midtrimester dilation and evacuation on subsequent pregnancy outcome. 2003;189:614 (Letter reply)
Kalish RB, Chasen ST, Gupta M, Sharma G, Perni SC, Chervenak FA. First trimester prediction of growth discordance in twin gestations. 2003;189:706-9
Kalish RB, Hunter T, Sharma G, Baergen RN. Clinical significance of the umbilical cord twist. 2003;189:736-9
Kalish RB, Vardhana S, Gupta M, Chasen ST, Perni SC, Witkin SS. Interleukin-1 receptor antagonist gene polymorphism and multifetal pregnancy outcome. 2003;189:911-4
Kalish RB (*see* Al-Kouatly et al). 2003;189:177-80
Kalish RB (*see* Sharma et al). 2003;189:990-3
Kalish RB (*see* Sharma et al). 2003;189:994-6
Kallapur SG (*see* Newnham et al). 2003;189:1458-66
Kaltenbach K (*see* Berghella et al). 2003;189:312-7 (Editors' choice)
Kammerer-Doak DN (*see* Taylor et al). 2003;189:1579-83
Kaplan LA, Sun PY, Chapman JF. Risk assessment calculation for respiratory distress syndrome. 2003;189:1513 (Letter)
Karimi-Tabesh L (*see* Portnoi et al). 2003;189:1374-7
Karlan BY (*see* Li et al). 2003;189:22-7
Karunakaran KP (*see* Paavonen et al). 2003;189:1287-92
Kasuya R (*see* Frattarelli and Kasuya). 2003;189:670-3
Kato S (*see* Germain et al). 2003;189:577-82
Katz M (*see* Ofir et al). 2003;189:1042-6
Katz NT, McCarty-Gillespie L, Magrane DM. Direct observation as a tool for needs assessment of resident teaching skills in the ambulatory setting. 2003;189:684-7
Kaufman K (*see* Hutton et al). 2003;189:245-54
Kaunitz AM (*see* Hicks et al). 2003;189:348-53
Kaya D. Hormone replacement therapy and autonomic cardiovascular functions: the impact of heart rate variability analyses methods. 2003;189:896 (Letter)
Keathley CA (*see* Vogt et al). 2003;189:688-91
Keder LM. Best practices in surgical abortion. 2003;189:418-22 (Clin. opinion)
Kenemans P (*see* Post et al). 2003;189:1221-7
Kennedy S (*see* Zahn et al). 2003;189:43-7
Kenton K (*see* Elkadry et al). 2003;189:195-200
Kenton KS (*see* Elkadry et al). 2003;189:1551-8
Khamashta MA (*see* Stone et al). 2003;189:274-9 (Education)
Khoshnood B, Blondel B, De Vigan C, Bréart G. Effects of maternal age and education on the pattern of prenatal testing: implications for the use of antenatal screening as a solution to the growing number of amniocenteses. 2003;189:1336-42
Khoury J (*see* Moldenhauer et al). 2003;189:1173-7
Kigozi GG, Brahmbhatt H, Wabwire-Mangen F, Wawer MJ, Serwadda D, Sewankambo N, Gray RH. Treatment of *Trichomonas* in pregnancy and adverse outcomes of pregnancy: a subanalysis of a randomized trial in Rakai, Uganda. 2003;189:1398-400
Kilpatrick S. Umbilical blood sampling in women with thyroid disease in pregnancy: is it necessary? 2003;189:1-2 (Editorial)
Kim A (*see* Lee et al). 2003;189:261-6
Kim C, Kwok YS. Decision analysis of hormone replacement therapy after the Women's Health Initiative. 2003;189:1228-33
Kim JG, Kwon JH, Kim SH, Choi YM, Moon SY, Lee JY. Association between vitamin D receptor gene haplotypes and bone mass in postmenopausal Korean women. 2003;189:1234-40
Kim K-R (*see* Lee et al). 2003;189:261-6
Kim S-R (*see* Lee et al). 2003;189:261-6
Kim SH (*see* Kim et al). 2003;189:1234-40
Kim YM, Bujold E, Chaiworapongsa T, Gomez R, Yoon BH, Thaler HT, Rotmensch S, Romero R. Failure of physiologic transformation of the spiral arteries in patients with preterm labor and intact membranes. 2003;189:1063-9
Kimmel S (*see* Rust et al). 2003;189:1688-91
Kinchen KS (*see* Fultz et al). 2003;189:1275-82
King JF, Watson L. Impact of midtrimester dilation and evacuation on subsequent pregnancy outcome. 2003;189:613-4 (Letter)
Kinney K (*see* Andrews et al). 2003;189:327-32
Kipersztok S (*see* Williams et al). 2003;189:342-7
Klebanoff MA (*see* England et al). 2003;189:939-43
Klein NA (*see* Jain et al). 2003;189:1080-4
Klingele CJ, Gebhart JB, Croak AJ, DiMarco CS, Lesnick TG, Lee RA. McIndoe procedure for vaginal agenesis: long-term outcome and effect on quality of life. 2003;189:1569-73
Klufio CA, Kwawukume EY, Danso KA, Sciarra JJ, Johnson T. Ghana postgraduate obstetrics/gynecology collaborative residency training program: success story and model for Africa. 2003;189:692-6
Knerr I, Weigel C, Linnemann K, Dötsch J, Mei[germb]ner U, Fusch C, Rascher W. Transcriptional effects of hypoxia on fusiogenic syncytin and its receptor ASCT2 in human cytotrophoblast BeWo cells and in ex vivo perfused placental cotyledons. 2003;189:583-8
Kohrt WM (*see* Pinto et al). 2003;189:11-5
Kontopoulos EV (*see* Chavez et al). 2003;189:1021-5
Koren G (*see* Pinto and Koren). 2003;189:1811 (Reply)
Koren G (*see* Portnoi et al). 2003;189:1374-7
Koskela P (*see* Paavonen et al). 2003;189:1287-92
Kovac CM, Howard BC, Pierce BT, Hoeldtke NJ, Calhoun BC, Napolitano PG. Fetoplacental vascular tone is modified by magnesium sulfate in the preeclamptic ex vivo human placental cotyledon. 2003;189:839-42
Kovac CM (*see* Howard et al). 2003;189:835-8
Kovilam O (*see* Hnat et al). 2003;189:877-9
Kramer BW (*see* Newnham et al). 2003;189:1458-66
Kreienberg R (*see* Möbus et al). 2003;189:28-36
Kreienberg R (*see* Weyermann et al). 2003;189:526-31
Kreiter C (*see* Olsen et al). 2003;189:1114-9
Kremer MJ (*see* Davis et al). 2003;189:1785-91
Kriegshauser JS (*see* Cornella et al). 2003;189:130-5
Kroeks MVAM (*see* Post et al). 2003;189:1221-7
Krohn MA (*see* Simhan et al). 2003;189:560-7. Correction 2003;189:1734
Krohn MA (*see* Simhan et al). 2003;189:915-8
Krohn MA (*see* Simhan et al). 2003;189:1150-4
Krotz S (*see* Endres et al). 2003;189:755-7
Kruger M (*see* Gago et al). 2003;189:1620-6
Kublickiene KR (*see* vanWijk et al). 2003;189:1209-10 (Letter reply)
Kühnert M (*see* Tekesin et al). 2003;189:532-9
Kuller JA (*see* Strauss et al). 2003;189:1672-8
Kummer LG (*see* Ellerkmann et al). 2003;189:66-9
Kwawukume EY (*see* Klufio et al). 2003;189:692-6
Kwok YS (*see* Kim and Kwok). 2003;189:1228-33
Kwon C (*see* Goldberg et al). 2003;189:1627-31
Kwon JH (*see* Kim et al). 2003;189:1234-40

L

Ladella SJ, Desai M, Cho Y, Ross MG. Maternal plasma hypertonicity is accentuated in the postterm rat. 2003;189:1439-44
Lagrew DC (*see* Chung et al). 2003;189:1058-62
Lai C-H (*see* Huang et al). 2003;189:16-21

Lain KY, Wilson JW, Crombleholme WR, Ness RB, Roberts JM. Smoking during pregnancy is associated with alterations in markers of endothelial function. 2003;189:1196-201
Laitinen KA (*see* Välimäki et al). 2003;189:1213-20
Lakshmanan J (*see* Oyachi et al). 2003;189:953-7
Lalia M (*see* Soligo et al). 2003;189:438-43
Lalos O (*see* Lose et al). 2003;189:1106-13
Lam GK, Subramanyam L, Orton S, Farb R, Moise KJ Jr. Minimizing red blood cell contamination while isolating mononuclear cells from whole blood: the next step for the treatment of severe hemolytic disease of the fetus/newborn. 2003;189:1012-6
Lam GK, Whitecar PW, Orton W, Boggess KA, Taylor DD. Differential expression of TcR-CD3 zeta as evidence for altered immunoregulation in preeclamptic versus normotensive women. 2003;189:843-7
Lam H (*see* Paavonen et al). 2003;189:1287-92
Lambrou N (*see* Salom et al). 2003;189:1563-8
Lanasa MC (*see* Hogge et al). 2003;189:397-402
Landers DV (*see* Simhan et al). 2003;189:560-7. Correction 2003;189:1734
Landers DV (*see* Yudin et al). 2003;189:973-6
Langford K (*see* Stone et al). 2003;189:274-9 (Education)
Langley JM, Marrie TJ, LeBlanc JC, Almudevar A, Resch L, Raoult D. *Coxiella burnetii* seropositivity in parturient women is associated with adverse pregnancy outcomes. 2003;189:228-32
Laptook A (*see* Wadhawan et al). 2003;189:501-6
Lashbrook DL, Frazier LM, Horbelt DV, Stembridge TW, Rall MJ. Pregnancy during obstetrics and gynecology residency: effect on surgical experience. 2003;189:662-5
Lashley S (*see* Chavez et al). 2003;189:1021-5
Lawson Y, Dombrowski MP, Carter S, Hagglund KH. Does external tocodynamometry increase maternal perception of uterine contractions? 2003;189:1396-7
Le T (*see* Basen-Engquist et al). 2003;189:1136-42
Leaman D (*see* Sobel et al). 2003;189:1297-300
Learman LA (*see* Richter et al). 2003;189:37-42
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Lee DM (*see* Jain et al). 2003;189:1080-4
Lee F (*see* Lovatsis et al). 2003;189:1601-5
Lee JY (*see* Kim et al). 2003;189:1234-40
Lee K-S (*see* Mittendorf et al). 2003;189:615-6 (Letter reply)
Lee K-S (*see* Mittendorf et al). 2003;189:613 (Letter)
Lee PR, Kim S-R, Jung B-K, Kim K-R, Chung J-Y, Won H-S, Kim A. Therapeutic effect of cyclo-oxygenase inhibitors with different isoform selectivity in lipopolysaccharide-induced preterm birth in mice. 2003;189:261-6
Lee RA (*see* Klingele et al). 2003;189:1569-73
Lee W (*see* Gonçalves et al). 2003;189:1792-802
Lee W (*see* Kalache et al). 2003;189:1401-6
Leet T (*see* Mostello et al). 2003;189:824-9
Lehtinen M (*see* Paavonen et al). 2003;189:1287-92
Leibovitz S (*see* Weiss et al). 2003;189:1757-62
Leite CC (*see* Loureiro et al). 2003;189:1350-5
Leitich H, Bodner-Adler B, Brunbauer M, Kaider A, Egarter C, Husslein P. Bacterial vaginosis as a risk factor for preterm delivery: a meta-analysis. 2003;189:139-47
Lentz GM (*see* Fialkow et al). 2003;189:127-9
Lentz GM (*see* Melville et al). 2003;189:76-80
Leo MV (*see* Feldman et al). 2003;189:710-3
Lescault PJ (*see* Cramer et al). 2003;189:1085-92
Leshno MM (*see* Mankuta et al). 2003;189:714-9
Lesnick TG (*see* Klingele et al). 2003;189:1569-73
Leveno KJ (*see* Zeeman et al). 2003;189:574-6
Levine RJ (*see* England et al). 2003;189:939-43
Leviton A (*see* McElrath et al). 2003;189:794-8
Levy A (*see* Ofir et al). 2003;189:1042-6
Lewis RS (*see* Sankey et al). 2003;189:644-6
Li AJ, Baldwin RL, Karlan BY. Estrogen and progesterone receptor subtype expression in normal and malignant ovarian epithelial cell cultures. 2003;189:22-7
Li C, Samsioe G, Borgfeldt C, Lidfeldt J, Agardh CD, Nerbrand C. Menopause-related symptoms: what are the background factors? A prospective population-based cohort study of Swedish women (The Women's Health in Lund Area study). 2003;189:1646-53
Lidfeldt J (*see* Li et al). 2003;189:1646-53
Lidfeldt J (*see* Teleman et al). 2003;189:1100-5
Liehr P (*see* Wai et al). 2003;189:1637-45
Lifford K (*see* Grodstein et al). 2003;189:428-34
Lilja H (*see* Jacobsson et al). 2003;189:1161-7
Lim J-H (*see* Yoon et al). 2003;189:919-24
Lim PJ (*see* Berghella et al). 2003;189:312-7 (Editors' choice)
Lin F (*see* Richter et al). 2003;189:37-42
Lincoln TL (*see* Rouse et al). 2003;189:166-70
Lindsay MK, Darroch JE. Maternal death at an inner-city hospital, 1949-2000. 2003;189:617 (Letter reply). Correction 2003;189:1172
Lindsay R (*see* Vardy et al). 2003;189:81-8
Linnemann K (*see* Knerr et al). 2003;189:583-8
Liou J-D (*see* Huang et al). 2003;189:16-21
Lipscomb GH (*see* Vogt et al). 2003;189:688-91
Lobo RA (*see* Carmina et al). 2003;189:1283-6
Locher JL (*see* Richter et al). 2003;189:1590-6
Lockhart J (*see* Hoffman et al). 2003;189:364-71
Lockwood CJ (*see* Roman et al). 2003;189:1368-73
Loizeau S (*see* Senat et al). 2003;189:1320-4
Loizzi V, Chan JK, Osann K, Cappuccini F, DiSaia PJ, Berman ML. Survival outcomes in patients with recurrent ovarian cancer who were treated with chemoresistance assay–guided chemotherapy. 2003;189:1301-7
Longo A (*see* Carmina et al). 2003;189:1283-6
Longo LD (*see* Lotgering et al). 2003;189:233-8
Lopez B (*see* Clapp et al). 2003;189:488-93
Lopriore E, Nagel HTC, Vandenbussche FPHA, Walther FJ. Long-term neurodevelopmental outcome in twin-to-twin transfusion syndrome. 2003;189:1314-9
Lorenz JM (*see* Qiu et al). 2003;189:1143-9
Lose G, Lalos O, Freeman RM, van Kerrebroeck P, Nocturia Study Group. Efficacy of desmopressin (Minirin) in the treatment of nocturia: a double-blind placebo-controlled study in women. 2003;189:1106-13
Lotgering FK, Bishai JM, Struijk PC, Blood AB, Hunter CJ, Power GG, Longo LD. Ten-minute umbilical cord occlusion markedly reduces cerebral blood flow and heat production in fetal sheep. 2003;189:233-8
Loureiro R, Leite CC, Kahhale S, Freire S, Sousa B, Cardoso EF, Alves EA, Borba P, Cerri GG, Zugaib M. Diffusion imaging may predict reversible brain lesions in eclampsia and severe preeclampsia: initial experience. 2003;189:1350-5
Lovatsis D, Gupta C, Dean E, Lee F. Tension-free vaginal tape procedure is an ideal treatment for obese patients. 2003;189:1601-5
Lowder JL, Shackelford DP, Holbert D, Beste TM. A randomized, controlled trial to compare ketorolac tromethamine versus placebo after cesarean section to reduce pain and narcotic usage. 2003;189:1559-62
Lu PY (*see* Dickey et al). 2003;189:1809-10 (Letter)
Luciani LI (*see* Errasti et al). 2003;189:1472-80
Ludmir J (*see* Abbasi et al). 2003;189:782-5
Luke B, Brown MB, Misiunas R, Anderson E, Nugent C, van de Ven C, Burpee B, Gogliotti S. Specialized prenatal care and maternal and infant outcomes in twin pregnancy. 2003;189:934-8
Luke B (*see* González-Quintero et al). 2003;189:813-7
Lurie S, Glezerman M. The history of cesarean technique. 2003;189:1803-6 (AJOG reviews)
Luthy DA (*see* Dempsey et al). 2003;189:494-500

M

Mabuchi Y (*see* Suzuki et al). 2003;189:216-21
MacGregor C (*see* Chien and MacGregor). 2003;189:1501-10

MacLean AB (*see* Eva et al). 2003;189:458-61
Macones G (*see* González-Quintero et al). 2003;189:813-7
Macones GA (*see* Segel et al). 2003;189:799-802
Magann EF (*see* Chauhan et al). 2003;189:408-17
Magnenant E (*see* Deruelle et al). 2003;189:208-15
Magrane DM (*see* Katz et al). 2003;189:684-7
Magrina JF (*see* Cornella et al). 2003;189:130-5
Makrydimas G, Sotiriadis A, Ioannidis JPA. Screening performance of first-trimester nuchal translucency for major cardiac defects: a meta-analysis. 2003;189:1330-5
Malberti S (*see* Soligo et al). 2003;189:438-43
Malone FD. Monochorionic pregnancy—Where have we been? Where are we going? 2003;189:1308-9 (Editorial)
Malone J (*see* Barnholtz-Sloan et al). 2003;189:1120-7
Mandalà M (*see* Gokina et al). 2003;189:1489-93
Mandel LS (*see* Nielsen et al). 2003;189:1257-60
Manderson JG, Patterson CC, Hadden DR, Traub AI, Ennis C, McCance DR. Preprandial versus postprandial blood glucose monitoring in type 1 diabetic pregnancy: a randomized controlled clinical trial. 2003;189:507-12
Mankuta DD, Leshno MM, Menasche MM, Brezis MM. Vaginal birth after cesarean section: trial of labor or repeat cesarean section? A decision analysis. 2003;189:714-9
Mansour RT, Aboulghar MA, Serour GI, Al-Inany HG, Amin YM, Abou-Setta AM. The use of gonadotropin-releasing hormone antagonist in a flexible protocol: a pilot study. 2003;189:444-6
Maravi ME (*see* Shlay et al). 2003;189:473-81
Marek L (*see* Fenner et al). 2003;189:1543-50
Margulis V (*see* Wai et al). 2003;189:884-5
Mariani S (*see* Soligo et al). 2003;189:438-43
Mariman EC (*see* Groenen et al). 2003;189:1713-9
Maróstica E (*see* Errasti et al). 2003;189:1472-80
Marquette GP (*see* Boucher et al). 2003;189:751-4
Marquette GP (*see* Bujold et al). 2003;189:1070-3
Marrie TJ (*see* Langley et al). 2003;189:228-32
Marshall J (*see* Schmuth et al). 2003;189:639-43
Martin JN Jr, Thigpen BD, Rose CH, Cushman J, Moore A, May WL. Maternal benefit of high-dose intravenous corticosteroid therapy for HELLP syndrome. 2003;189:830-4
Martin JN Jr (*see* Chauhan et al). 2003;189:408-17
Marx SG (*see* Maul et al). 2003;189:963-7
Marx SG (*see* Schlembach et al). 2003;189:1418-22
Masch RJ (*see* Timor-Tritsch et al). 2003;189:1074-9
Mascolo M (*see* Di Lieto et al). 2003;189:594-600
Massad LS (*see* Wright et al). 2003;189:295-304 (AJOG reviews)
Mastrantonio P (*see* Zullo et al). 2003;189:5-10 (Editors' choice)
Matrone R (*see* Bucceri et al). 2003;189:545-51
Matteo M (*see* Cicinelli et al). 2003;189:55-8
Mattiasson A (*see* Teleman et al). 2003;189:1100-5
Maul H, Shi L, Marx SG, Garfield RE, Saade GR. Platelet-activating factor antagonist WEB-2170 inhibits lipopolysaccharide-induced, but not antiprogestin-induced, preterm cervical ripening in timed-pregnant rats. 2003;189:963-7
Mauldin J (*see* González-Quintero et al). 2003;189:813-7
Mauro LM (*see* González-Quintero et al). 2003;189:589-93
Mavis B (*see* Schmuth et al). 2003;189:639-43
May WL (*see* Martin et al). 2003;189:830-4
Mayer J (*see* Andrews et al). 2003;189:327-32
Mayhugh B (*see* Shlay et al). 2003;189:473-81
Mazer NA (*see* Shifren and Mazer). 2003;189:898-9 (Letter)
Mazor M (*see* Ofir et al). 2003;189:1042-6
McBride AW (*see* Ellerkmann et al). 2003;189:66-9
McCance DR (*see* Manderson et al). 2003;189:507-12
McCarty-Gillespie L (*see* Katz et al). 2003;189:684-7
McDavitt EC (*see* Christianson et al). 2003;189:255-60
McDonald T (*see* Siega-Riz et al). 2003;189:519-25
McElrath TF, Allred EN, Leviton A, Developmental Epidemiology Network Investigators. Prolonged latency after preterm premature rupture of membranes: an evaluation of histologic condition and intracranial ultrasonic abnormality in the neonate born at <28 weeks of gestation. 2003;189:794-8
McIlwain-Dunivan GC, Phelan ST, Rayburn WF. What medical students value most during their clinical clerkships from department chairs. 2003;189:659-61
McIntire DD (*see* Zaretsky et al). 2003;189:997-1001
McIntire DD (*see* Zaretsky et al). 2003;189:1017-20
McIntire DD (*see* Zeeman et al). 2003;189:574-6
McKay D (*see* Hutton et al). 2003;189:245-54
McKenna DS, Ester JB, Fischer JR. Elective cesarean delivery for women with a previous anal sphincter rupture. 2003;189:1251-6
McLeod L (*see* Su et al). 2003;189:740-5
McMahon MJ (*see* Strauss et al). 2003;189:1672-8
McNeeley SG Jr. New cervical cancer screening techniques. 2003;189:S40-1 (Clinical commentary)
McParland PC, Taylor DJ, Bell SC. Mapping of zones of altered morphology and chorionic connective tissue cellular phenotype in human fetal membranes (amniochorion and decidua) overlying the lower uterine pole and cervix before labor at term. 2003;189:1481-8
McShane P (*see* Cramer et al). 2003;189:1085-92
McTiernan A (*see* Andersen et al). 2003;189:S42-7
Meeks GR. Thriving in the midst of chaos. 2003;189:1532-8 (Pres. address)
Meijer CJLM (*see* Böhmer et al). 2003;189:118-20
Mei[germb]ner U (*see* Knerr et al). 2003;189:583-8
Melick CF (*see* Ellerkmann et al). 2003;189:66-9
Melville JL, Miller EA, Fialkow MF, Lentz GM, Miller JL, Fenner DE. Relationship between patient report and physician assessment of urinary incontinence severity. 2003;189:76-80
Melville JL (*see* Fialkow et al). 2003;189:127-9
Menasche MM (*see* Mankuta et al). 2003;189:714-9
Mendez L (*see* Salom et al). 2003;189:1563-8
Mercer B (*see* As-Sanie et al). 2003;189:1053-7
Mercer B (*see* Durnwald and Mercer). 2003;189:848-52
Mercer B (*see* Durnwald and Mercer). 2003;189:925-9
Mercer BM (*see* Ehrenberg et al). 2003;189:1726-30
Mercer BM (*see* Herbst et al). 2003;189:930-3
Merkus HMWM (*see* Post et al). 2003;189:1221-7
Merkus HMWM (*see* van Rooij et al). 2003;189:1155-60
Meschia G (*see* Wilkes et al). 2003;189:1494-500
Mesogitis S (*see* Pilalis et al). 2003;189:882-3
Meyer BA (*see* Berry et al). 2003;189:634-8
Meyer JH Jr. Informed consent, informed refusal, and informed choices. 2003;189:319-26 (Pres. address)
Meyer N (*see* Herbst et al). 2003;189:930-3
Meyn J (*see* Rust et al). 2003;189:1688-91
Meyn L (*see* Boyles et al). 2003;189:70-5
Mikhail M (*see* Vardy et al). 2003;189:81-8
Milani R (*see* Soligo et al). 2003;189:438-43
Miles AM (*see* Segel et al). 2003;189:799-802
Millar L. Wishing the WISH cells were pure. 2003;189:1808 (Letter reply)
Miller EA (*see* Fialkow et al). 2003;189:127-9
Miller EA (*see* Melville et al). 2003;189:76-80
Miller J (*see* Fialkow et al). 2003;189:127-9
Miller JL (*see* Melville et al). 2003;189:76-80
Mills JL (*see* England et al). 2003;189:939-43
Mills PJ (*see* Farag et al). 2003;189:896-7 (Letter reply)
Milluzzi C (*see* Ehrenberg et al). 2003;189:1726-30
Mingione M (*see* Pressman et al). 2003;189:1720-5
Minior V (*see* Roman et al). 2003;189:1368-73
Minkoff H, Hershow R, Watts DH, Frederick M, Cheng I, Tuomala R, Pitt J, Zorrilla CD, Hammill H, Adeniyi-Jones SK, Thompson B. The relationship of pregnancy to human immunodeficiency virus disease progression. 2003;189:552-9
Minnis AM (*see* Harper et al). 2003;189:1093-9
Miot V (*see* Remoue et al). 2003;189:1660-5
Misiunas R (*see* González-Quintero et al). 2003;189:813-7
Misiunas R (*see* Luke et al). 2003;189:934-8
Mitchel EF Jr (*see* Hartert et al). 2003;189:1705-12
Mittendorf R, Pryde PG, Lee K-S. Association between the use of antenatal magnesium sulfate in preterm labor and adverse health outcomes in infants. 2003;189:615-6 (Letter reply)

Mittendorf R, Pryde PG, Lee K-S. Association between use of antenatal magnesium sulfate in preterm labor and adverse health outcomes in infants. 2003;189:613 (Letter)
Möbus VJ, Baum RP, Bolle M, Kreienberg R, Noujaim AA, Schultes BC, Nicodemus CF. Immune responses to murine monoclonal antibody–B43.13 correlate with prolonged survival of women with recurrent ovarian cancer. 2003;189:28-36
Modelska K, Cummings S. Safety profile of transdermal testosterone therapy in women. 2003;189:899 (Letter reply)
Moise KJ Jr. Maternal-fetal surgery for spina bifida: on the brink of a new era? 2003;189:311 (Editorial)
Moise KJ Jr (*see* Lam et al). 2003;189:1012-6
Moise KJ Jr (*see* Pollack et al). 2003;189:958-62
Moldenhauer JS, Stanek J, Warshak C, Khoury J, Sibai B. The frequency and severity of placental findings in women with preeclampsia are gestational age dependent. 2003;189:1173-7
Molloy AM (*see* Cotter et al). 2003;189:391-6
Mølsted-Pedersen L (*see* Jensen et al). 2003;189:1383-8
Mølsted-Pedersen L (*see* Jensen et al). 2003;189:239-44
Monga M, Doyle NM, Campbell D, Promecene Pa, Schneider KM. Job satisfaction among program directors in obstetrics and gynecology: a national portrait. 2003;189:628-30
Monga M (*see* Promecene et al). 2003;189:631-3
Monteagudo A (*see* Timor-Tritsch and Monteagudo). 2003;189:1210-1 (Letter)
Monteagudo A (*see* Timor-Tritsch et al). 2003;189:1074-9
Moon SY (*see* Kim et al). 2003;189:1234-40
Moorcroft DM, Stitzel JD, Duma GG, Duma SM. Computational model of the pregnant occupant: predicting the risk of injury in automobile crashes. 2003;189:540-4
Moore A (*see* Martin et al). 2003;189:830-4
Moore J (*see* As-Sanie et al). 2003;189:1053-7
Morelli M (*see* Zullo et al). 2003;189:5-10 (Editors' choice)
Morgese S (*see* Cicinelli et al). 2003;189:55-8
Morice P, Petrow P, Pomel C. Radical trachelectomy: a need for a careful preoperative assessment. 2003;189:1515 (Letter)
Morrison JC (*see* Chauhan et al). 2003;189:408-17
Morshedi M (*see* Andrews et al). 2003;189:327-32
Moss TJM, Doherty DA, Nitsos I, Harding R, Newnham JP. Pharmacokinetics of betamethasone after maternal or fetal intramuscular administration. 2003;189:1750-6
Moss TJM, Mulrooney NP, Nitsos I, Ikegami M, Jobe AH, Newnham JP. Intra-amniotic corticosteroids for preterm lung maturation in sheep. 2003;189:1389-95
Moss TJM, Nitsos I, Newnham JP, Ikegami M, Jobe AH. Chorioamnionitis induced by subchorionic endotoxin infusion in sheep. 2003;189:1770-6
Moss TJM (*see* Jobe et al). 2003;189:1813-4 (Letter reply)
Moss TJM (*see* Newnham et al). 2003;189:1458-66
Mostello D, Droll DA, Bierig SM, Cruz-Flores S, Leet T. Tertiary care improves the chance for vaginal delivery in women with preeclampsia. 2003;189:824-9
Mozurkewich E, Horrocks J, Daley S, Von Oeyen P, Halvorson M, Johnson M, Zaretsky M, Tehranifar M, Bayer-Zwirello L, Robichaux A III, Droste S, Turner G. The MisoPROM study: a multicenter randomized comparison of oral misoprostol and oxytocin for premature rupture of membranes at term. 2003;189:1026-30
Muir TW, Stepp KJ, Barber MD. Adoption of the pelvic organ prolapse quantification system in peer-review literature. 2003;189:1632-6
Mulholland J (*see* Roman et al). 2003;189:1368-73
Mulrooney NP (*see* Moss et al). 2003;189:1389-95
Munkarah AR (*see* Barnholtz-Sloan et al). 2003;189:1120-7
Murphy SJ (*see* Hoffman et al). 2003;189:364-71
Musci TJ (*see* Tran et al). 2003;189:746-50
Mutone M (*see* von Pechmann et al). 2003;189:121-6
Mutton D (*see* Smith-Bindman et al). 2003;189:980-5
Myers DL (*see* Clemons et al). 2003;189:1612-9
Myers JE, Baker PN. Isolated microparticles, but not whole plasma, from women with preeclampsia impair endothelium-dependent relaxation in isolated myometrial arteries from healthy pregnant women. 2003;189:1209 (Letter)

N

Nachum Z, Rakover Y, Weiner E, Shalev E. Graves' disease in pregnancy: prospective evaluation of a selective invasive treatment protocol. 2003;189:159-65
Nader HB (*see* de Deus et al). 2003;189:1654-9
Nagappan V (*see* Sobel et al). 2003;189:1297-300
Nagel HTC (*see* Lopriore et al). 2003;189:1314-9
Nageotte MP (*see* Chung et al). 2003;189:1031-5
Napolitano PG (*see* Howard et al). 2003;189:835-8
Napolitano PG (*see* Kovac et al). 2003;189:839-42
Narducci F, Occelli B, Querieu D. The effect of various insufflation gases on tumor implantation in an animal model. 2003;189:616 (Letter)
Nassar AH, Usta IM, Rechdan JB, Harb TS, Adra AM, Abu-Musa AA. Pregnancy outcome in spontaneous twins versus twins who were conceived through in vitro fertilization. 2003;189:513-8
Nassar AH (*see* Usta and Nassar). 2003;189:614-5 (Letter)
Natale R (*see* Victory et al). 2003;189:803-7
Nathan D (*see* Thadhani et al). 2003;189:171-6
Nather A (*see* Joura et al). 2003;189:895 (Letter)
Nelesen RA (*see* Farag et al). 2003;189:896-7 (Letter reply)
Nerbrand C (*see* Li et al). 2003;189:1646-53
Nerbrand C (*see* Teleman et al). 2003;189:1100-5
Ness RB. Endometriosis and ovarian cancer: thoughts on shared pathophysiology. 2003;189:280-94 (AJOG reviews)
Ness RB (*see* Lain et al). 2003;189:1196-201
Neuzil KM (*see* Hartert et al). 2003;189:1705-12
Newberry YG (*see* Williams et al). 2003;189:333-41
Newman R (*see* González-Quintero et al). 2003;189:813-7
Newnham JP, Kallapur SG, Kramer BW, Moss TJM, Nitsos I, Ikegami M, Jobe AH. Betamethasone effects on chorioamnionitis induced by intra-amniotic endotoxin in sheep. 2003;189:1458-66
Newnham JP (*see* Jobe et al). 2003;189:1813-4 (Letter reply)
Newnham JP (*see* Moss et al). 2003;189:1389-95
Newnham JP (*see* Moss et al). 2003;189:1750-6
Newnham JP (*see* Moss et al). 2003;189:1770-6
Ng E (*see* Timor-Tritsch et al). 2003;189:1074-9
Nicholas J (*see* Swift et al). 2003;189:372-9
Nichols MD (*see* Edelman et al). 2003;189:886-7
Nicodemus CF (*see* Möbus et al). 2003;189:28-36
Nielsen PE, Foglia LM, Mandel LS, Chow GE. Objective structured assessment of technical skills for episiotomy repair. 2003;189:1257-60
Nielsen PE, Holland RHB, Foglia LM. Evaluation of a clinical skills orientation program for residents. 2003;189:858-60 (Education)
Nieves J (*see* Vardy et al). 2003;189:81-8
Nikkels PGJ (*see* Umur et al). 2003;189:1325-9
Nishihara K (*see* Hausman et al). 2003;189:1743-9
Nishihara KC (*see* Hausman et al). 2003;189:1736-42
Nitsos I (*see* Moss et al). 2003;189:1389-95
Nitsos I (*see* Moss et al). 2003;189:1750-6
Nitsos I (*see* Moss et al). 2003;189:1770-6
Nitsos I (*see* Newnham et al). 2003;189:1458-66
Nocturia Study Group (*see* Lose et al). 2003;189:1106-13
Noguchi Y (*see* Paavonen et al). 2003;189:1287-92
Nolan TE (*see* Toglia and Nolan). 2003;189:1584-9
Noller KL, Bibace R. Clinical recommendations appended to cervical cytology reports. 2003;189:1511 (Letter reply)
Norén H (*see* Amer-Wåhlin et al). 2003;189:308-9 (Letter reply)
Norkus EP (*see* Pressman et al). 2003;189:1720-5
Norman G (*see* Fung et al). 2003;189:674-8
Norström A (*see* Ekerhovd et al). 2003;189:1692-7
Norton PA (*see* Hilger et al). 2003;189:1606-11
Noujaim AA (*see* Möbus et al). 2003;189:28-36
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Nugent C (*see* Luke et al). 2003;189:934-8

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Obenchain R (*see* Fultz et al). 2003;189:1275-82
O'Brien C (*see* Fitzpatrick et al). 2003;189:730-5

Occelli B (*see* Narducci et al). 2003;189:616 (Letter)
O'Connell PR (*see* Fitzpatrick et al). 2003;189:730-5
O'Connor DM, Slucher BC. Clinical recommendations appended to cervical cytology reports. 2003;189:1511 (Letter)
O'Dell K (*see* Berry et al). 2003;189:634-8
Oehninger S (*see* Andrews et al). 2003;189:327-32
Ofir K, Sheiner E, Levy A, Katz M, Mazor M. Uterine rupture: risk factors and pregnancy outcome. 2003;189:1042-6
Oga A (*see* Azuno et al). 2003;189:890-1
Ogburn T, Espey E. The R-I-M-E method for evaluation of medical students on an obstetrics and gynecology clerkship. 2003;189:666-9
Ognjanovic S, Tashima LS, Bryant-Greenwood GD. The effects of pre–B-cell colony–enhancing factor on the human fetal membranes by microarray analysis. 2003;189:1187-95
Oh W (*see* Wadhawan et al). 2003;189:501-6
O'Herlihy C (*see* Fitzpatrick et al). 2003;189:730-5
Ohkura T (*see* Hayashi et al). 2003;189:1356-60
Okun N (*see* Belej-Rak et al). 2003;189:1679-87
Olesen AW, Westergaard JG, Olsen J. Perinatal and maternal complications related to postterm delivery: a national register-based study, 1978-1993. 2003;189:222-7
Olsen AL, Ross M, Stansfield RB, Kreiter C. Pelvic floor nerve conduction studies: establishing clinically relevant normative data. 2003;189:1114-9
Olsen J (*see* Olesen et al). 2003;189:222-7
O'Neal MG, Beste T, Shackelford DP. Utility of preemptive local analgesia in vaginal hysterectomy. 2003;189:1539-42
Opher E (*see* Akyol et al). 2003;189:155-8
O'Reilly-Green C (*see* Akyol et al). 2003;189:155-8
Orton S (*see* Lam et al). 2003;189:1012-6
Orton W (*see* Lam et al). 2003;189:843-7
Osann K (*see* Loizzi et al). 2003;189:1301-7
Osborne WE (*see* Perry and Osborne). 2003;189:679-83
O'Shea D (*see* Sankey et al). 2003;189:644-6
Osol G (*see* Gokina et al). 2003;189:1489-93
O'Sullivan MJ (*see* González-Quintero et al). 2003;189:589-93
O'Sullivan MJ (*see* González-Quintero et al). 2003;189:813-7
Ovesen P (*see* Jensen et al). 2003;189:239-44
Ovesen P (*see* Jensen et al). 2003;189:1383-8
Oyachi N, Lakshmanan J, Ahanya SN, Bassiri D, Atkinson JB, Ross MG. Development of ovine fetal ileal motility: role of muscarinic receptor subtypes. 2003;189:953-7

P

Paavonen J, Karunakaran KP, Noguchi Y, Anttila T, Bloigu A, Dillner J, Hallmans G, Hakulinen T, Jellum E, Koskela P, Lehtinen M, Thoresen S, Lam H, Shen C, Brunham RC. Serum antibody response to the heat shock protein 60 of *Chlamydia trachomatis* in women with developing cervical cancer. 2003;189:1287-92
Padian NS (*see* Harper et al). 2003;189:1093-9
Paek BW, Vaezy S, Fujimoto V, Bailey M, Albanese CT, Harrison MR, Farmer DL. Tissue ablation using high-intensity focused ultrasound in the fetal sheep model: potential for fetal treatment. 2003;189:702-5
Paidas MJ (*see* Roman et al). 2003;189:1368-73
Palmer-Toy D (*see* Styer et al). 2003;189:1184-6
Palomba S (*see* Zullo et al). 2003;189:5-10 (Editors' choice)
Paneth N (*see* Qiu et al). 2003;189:1143-9
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Parker HJ (*see* Styer et al). 2003;189:1184-6
Parry S (*see* Segel et al). 2003;189:799-802
Parvin CA (*see* Gronowski and Parvin). 2003;189:1511-2 (Letter)
Patterson CC (*see* Manderson et al). 2003;189:507-12
Pattillo C (*see* Gorenberg et al). 2003;189:136-8
Paul M (*see* Sankey et al). 2003;189:644-6
Peer PG (*see* Groenen et al). 2003;189:1713-9
Peñalver M (*see* Salom et al). 2003;189:1563-8
Penava D (*see* Victory et al). 2003;189:803-7
Pereira L, Jenkins TM, Berghella V. Conventional management of maternal red cell alloimmunization compared with management by Doppler assessment of middle cerebral artery peak systolic velocity. 2003;189:1002-6
Perni SC (*see* Kalish et al). 2003;189:706-9
Perni SC (*see* Kalish et al). 2003;189:911-4
Perrett CW (*see* Eva et al). 2003;189:458-61
Perritt RL (*see* Wadhawan et al). 2003;189:501-6
Perry MY, Osborne WE. Health and wellness in residents who matriculate into physician training programs. 2003;189:679-83
Petraglia F (*see* Reis et al). 2003;189:1361-7
Petrikovsky B. Procedural risks versus theology: chorionic villus sampling for Orthodox Jews at less than 8 weeks' gestation. 2003;189:309-10 (Letter reply)
Petrikovsky BM. The laborist: do not repeat the mistakes of other medical systems. 2003;189:899 (Letter)
Petrow P (*see* Morice et al). 2003;189:1515 (Letter)
Petry KU (*see* Böhmer et al). 2003;189:118-20
Pezzullo JC (*see* Vergani et al). 2003;189:1007-11
Phelan ST (*see* McIlwain-Dunivan et al). 2003;189:659-61
Pierce BT (*see* Kovac et al). 2003;189:839-42
Pigne A (*see* Barranger et al). 2003;189:1245-50
Pilalis A, Daskalakis G, Papantoniou N, Mesogitis S, Antsaklis A. Prenatal diagnosis of atraumatic fetal subdural hematoma. 2003;189:882-3
Pinette MG. Prediction of respiratory distress syndrome. 2003;189:1513-4 (Letter reply)
Pinette MG. Prediction of risk for respiratory distress syndrome using gestational age and the TDx-FLM II assay. 2003;189:1513-4 (Letter reply)
Pinette MG. Risk assessment calculation for respiratory distress syndrome. 2003;189:1513-4 (Letter reply)
Pinkerton JV (*see* Williams et al). 2003;189:333-41
Pinto AB, Binder EF, Kohrt WM, Bronder DR, Williams DB. Effects of trimonthly progestin administration on the endometrium in elderly postmenopausal women who receive hormone replacement therapy: a pilot study. 2003;189:11-5
Pinto N, Koren G. Research on maternal and fetal safety after exposure to antidepressants in utero. 2003;189:1811 (Reply)
Pisal N (*see* Sindos et al). 2003;189:892-3
Pitt J (*see* Minkoff et al). 2003;189:552-9
Plante LA. Mechanical ventilation in an obstetric population. 2003;189:1516 (Letter)
Plapp F (*see* Yeast and Plapp). 2003;189:874-6
Pliška V (*see* Schellenberg et al). 2003;189:201-7
Poggi SH, Goodwin K, Hill JM, Brenneman DE, Tendi E, Schinelli S, Abebe D, Spong CY. The role of activity-dependent neuroprotective protein in a mouse model of fetal alcohol syndrome. 2003;189:790-3
Poggi SH, Goodwin KM, Hill JM, Brenneman DE, Tendi E, Schninelli S, Spong CY. Differential expression of c-*fos* in a mouse model of fetal alcohol syndrome. 2003;189:786-9
Poggi SH, Stallings SP, Ghidini A, Spong CY, Deering SH, Allen RH. Intrapartum risk factors for permanent brachial plexus injury. 2003;189:725-9
Polan ML (*see* Chen et al). 2003;189:59-65
Polan ML (*see* Chen et al). 2003;189:89-97
Pollack JA, Moise KJ Jr, Tyson WR, Galan HL. The role of fetal breathing motions compared with gasping motions in pulmonary airway uptake of intra-amniotic iron dextran. 2003;189:958-62
Pollio F (*see* Di Lieto et al). 2003;189:594-600
Pomel C (*see* Morice et al). 2003;189:1515 (Letter)
Poole K (*see* Wadhawan et al). 2003;189:501-6
Portnoi G, Chng L-A, Karimi-Tabesh L, Koren G, Tan MP, Einarson A. Prospective comparative study of the safety and effectiveness of ginger for the treatment of nausea and vomiting in pregnancy. 2003;189:1374-7
Porto M (*see* Chung et al). 2003;189:1058-62
Post MS, van der Mooren MJ, van Baal WM, Blankenstein MA, Merkus HMWM, Kroeks MVAM, Franke HR, Kenemans P, Stehouwer CDA. Effects of low-dose oral and transdermal estrogen replacement therapy on hemostatic factors in healthy

postmenopausal women: a randomized placebo-controlled study. 2003;189:1221-7
Poston L (*see* Stone et al). 2003;189:274-9 (Education)
Poulson M (*see* Hilger et al). 2003;189:1606-11
Power GG (*see* Lotgering et al). 2003;189:233-8
Powers RD (*see* Cramer et al). 2003;189:1085-92
Pozzi E (*see* Vergani et al). 2003;189:1007-11
Prefumo F (*see* Celentano et al). 2003;189:880-1
Pressman EK, Cavanaugh JL, Mingione M, Norkus EP, Woods JR. Effects of maternal antioxidant supplementation on maternal and fetal antioxidant levels: a randomized, double-blind study. 2003;189:1720-5
Promecene PA, Schneider KM, Monga M. Work hours for practicing obstetrician-gynecologists: the reality of life after residency. 2003;189:631-3
Promecene Pa (*see* Monga et al). 2003;189:628-30
Promislow JHE (*see* Siega-Riz et al). 2003;189:519-25
Prosen TL (*see* Yudin et al). 2003;189:973-6
Pryde PG (*see* Mittendorf et al). 2003;189:613 (Letter)
Pryde PG (*see* Mittendorf et al). 2003;189:615-6 (Letter reply)
Puech F (*see* Deruelle et al). 2003;189:208-15
Pupkin M (*see* Buhimschi et al). 2003;189:181-8
Purwono U (*see* Berry et al). 2003;189:634-8

Q

Qiu H, Paneth N, Lorenz JM, Collins M. Labor and delivery factors in brain damage, disabling cerebral palsy, and neonatal death in low-birth-weight infants. 2003;189:1143-9
Quade BJ (*see* Stewart et al). 2003;189:48-54
Qualls C (*see* Taylor et al). 2003;189:1579-83
Querleu D (*see* Narducci et al). 2003;189:616 (Letter)
Quilligan EJ, Zuspan FP. Farewell address from Dr Quilligan and Dr Zuspan. 2003;189:4 (Editorial)
Qureshi F (*see* Barnholtz-Sloan et al). 2003;189:1120-7

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Rabinovici J (*see* Stewart et al). 2003;189:48-54
Rakover Y (*see* Nachum et al). 2003;189:159-65
Rall MJ (*see* Lashbrook et al). 2003;189:662-5
Ramus RM (*see* Twickler and Ramus). 2003;189:1211-2 (Letter reply)
Raoult D (*see* Langley et al). 2003;189:228-32
Rascher W (*see* Knerr et al). 2003;189:583-8
Rayburn WF (*see* Christensen et al). 2003;189:1452-7
Rayburn WF (*see* McIlwain-Dunivan et al). 2003;189:659-61
Rayman MP, Bode P, Redman CWG. Low selenium status is associated with the occurrence of the pregnancy disease pre-eclampsia in women from the United Kingdom. 2003;189:1343-9
Reardon DC (*see* Coleman et al). 2003;189:618 (Letter reply)
Rebarber A (*see* Roman et al). 2003;189:1368-73
Rechdan JB (*see* Nassar et al). 2003;189:513-8
Redman CWG (*see* Rayman et al). 2003;189:1343-9
Redman ME, Berry SM. Growth discordance in twins. 2003;189:897-8 (Letter reply)
Redwine DB. Does a "peritoneal circulation" really exist? 2003;189:306 (Reply)
Reed BD (*see* Aikens et al). 2003;189:462-6
Reichel TF (*see* Zaretsky et al). 2003;189:1017-20
Reid G, Bocking A. The potential for probiotics to prevent bacterial vaginosis and preterm labor. 2003;189:1202-8 (AJOG reviews)
Reid KP, Dickinson JE, Doherty DA. The epidemiologic incidence of congenital gastroschisis in Western Australia. 2003;189:764-8
Reid WMN (*see* Eva et al). 2003;189:458-61
Reis FM, Gervasi MT, Florio P, Bracalente G, Fadalti M, Severi FM, Petraglia F. Prediction of successful induction of labor at term: role of clinical history, digital examination, ultrasound assessment of the cervix, and fetal fibronectin assay. 2003;189:1361-7
Remoue F, Jacobs N, Miot V, Boniver J, Delvenne P. High intraepithelial expression of estrogen and progesterone receptors in the transformation zone of the uterine cervix. 2003;189:1660-5
Resch L (*see* Langley et al). 2003;189:228-32
Resnick N (*see* Grodstein et al). 2003;189:428-34
Rhoton-Vlasak A (*see* Williams et al). 2003;189:342-7
Richards-Kortum R (*see* Basen-Engquist et al). 2003;189:1136-42
Richardson B (*see* Victory et al). 2003;189:803-7
Richart RM (*see* Vardy et al). 2003;189:81-8
Richter HE, Burgio KL, Holley RL, Goode PS, Locher JL, Wright KC, Varner RE. Cadaveric fascia lata sling for stress urinary incontinence: a prospective quality-of-life analysis. 2003;189:1590-6
Richter HE, Learman LA, Lin F, Varner RE, Hendrix SL, Summitt RL, Washington AE. Medroxyprogesterone acetate treatment of abnormal uterine bleeding: factors predicting satisfaction. 2003;189:37-42
Rinfret D (*see* Bujold et al). 2003;189:1070-3
Rintoul N (*see* Johnson et al). 2003;189:482-7
Riou Y (*see* Deruelle et al). 2003;189:208-15
Risteli JP (*see* Välimäki et al). 2003;189:1213-20
Roberts DJ (*see* Styer et al). 2003;189:1184-6
Roberts JM (*see* Lain et al). 2003;189:1196-201
Roberts JM (*see* Simhan et al). 2003;189:915-8
Robichaux A III (*see* Mozurkewich et al). 2003;189:1026-30
Robinson JS (*see* Dodd et al). 2003;189:1731-5
Rodis JF (*see* Feldman et al). 2003;189:710-3
Rogers RG (*see* Taylor et al). 2003;189:1579-83
Rohan TE, Burk RD, Franco EL. Toward a reduction of the global burden of cervical cancer. 2003;189:S37-9
Rolfe KJ (*see* Eva et al). 2003;189:458-61
Roman AS, Rebarber A, Sfakianaki AK, Mulholland J, Saltzman D, Paidas MJ, Minior V, Lockwood CJ. Vaginal fetal fibronectin as a predictor of spontaneous preterm delivery in the patient with cervical cerclage. 2003;189:1368-73
Römer A (*see* Tekesin et al). 2003;189:532-9
Romero AA (*see* Taylor et al). 2003;189:1579-83
Romero R (*see* Gonçalves et al). 2003;189:1792-802
Romero R (*see* Kalache et al). 2003;189:1401-6
Romero R (*see* Kim et al). 2003;189:1063-9
Romero R (*see* Yoon et al). 2003;189:919-24
Roncaglia N (*see* Vergani et al). 2003;189:1007-11
Rortveit G, Daltveit AK, Hannestad YS, Hunskaar S. Vaginal delivery parameters and urinary incontinence: the Norwegian EPINCONT study. 2003;189:1268-74
Rose CH (*see* Martin et al). 2003;189:830-4
Rosén KG (*see* Amer-Wählin et al). 2003;189:308-9 (Letter reply)
Ross M (*see* Olsen et al). 2003;189:1114-9
Ross MG. Base excess during cord occlusion. 2003;189:1812 (Letter)
Ross MG, van Gemert M. Growth discordance in twins. 2003;189:897 (Letter)
Ross MG, Wang S. Wishing the WISH cells were pure. 2003;189:1807-8 (Letter)
Ross MG (*see* El-Haddad et al). 2003;189:949-52
Ross MG (*see* Ladella et al). 2003;189:1439-44
Ross MG (*see* Oyachi et al). 2003;189:953-7
Ross S (*see* Belej-Rak et al). 2003;189:1679-87
Ross S (*see* Su et al). 2003;189:740-5
Rost K (*see* Dietrich et al). 2003;189:267-73 (Education)
Rothenbacher D (*see* Weyermann et al). 2003;189:526-31
Rothlin RP (*see* Errasti et al). 2003;189:1472-80
Rotmensch S (*see* Celentano et al). 2003;189:880-1
Rotmensch S (*see* Kim et al). 2003;189:1063-9
Rouse DJ, Cliver S, Lincoln TL, Andrews WW, Hauth JC. Clinical trial of chlorhexidine vaginal irrigation to prevent peripartal infection in nulliparous women. 2003;189:166-70
Rue VM (*see* Coleman et al). 2003;189:618 (Letter reply)
Rumney PJ (*see* Chung et al). 2003;189:1031-5
Rumney PJ (*see* Gorenberg et al). 2003;189:136-8

Russo T (*see* Zullo et al). 2003;189:5-10 (Editors' choice)
Rust OA, Atlas RO, Meyn J, Wells M, Kimmel S. Does cerclage location influence perinatal outcome? 2003;189:1688-91
Ryan G (*see* Bustard et al). 2003;189:1777-8

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Saade G (*see* González-Quintero et al). 2003;189:813-7
Saade GR (*see* Maul et al). 2003;189:963-7
Saed GM (*see* Gago et al). 2003;189:1620-6
Sager M (*see* Wai et al). 2003;189:1637-45
Saleniak M-E (*see* Bustard et al). 2003;189:1777-8
Salom EM, Schey D, Peñalver M, Gómez-Marín O, Lambrou N, Almeida Z, Mendez L. The safety of incidental appendectomy at the time of abdominal hysterectomy. 2003;189:1563-8
Salomon LJ, Benattar C, Audibert F, Fernandez H, Duyme M, Taieb J, Frydman R. Severe preeclampsia is associated with high inhibin A levels and normal leptin levels at 7 to 13 weeks into pregnancy. 2003;189:1517-22 (Editors' choice)
Saltzman D (*see* Roman et al). 2003;189:1368-73
Salvatore S (*see* Soligo et al). 2003;189:438-43
Samimi SS (*see* Abbasi et al). 2003;189:782-5
Samsioe G (*see* Li et al). 2003;189:1646-53
Samsioe G (*see* Teleman et al). 2003;189:1100-5
Sanchez-Ramos L (*see* Hicks et al). 2003;189:348-53
Sand PK (*see* Goldberg et al). 2003;189:1627-31
Sandler L (*see* Thadhani et al). 2003;189:171-6
Sankey HZ, Lewis RS, O'Shea D, Paul M. Enhancing resident training in abortion and contraception through hospital-community partnership. 2003;189:644-6
Sartor BM (*see* Dickey et al). 2003;189:1809-10 (Letter)
Sartore A, Grimaldi E, Guaschino S. The treatment of Sjögren's syndrome with tibolone: a case report. 2003;189:894
Sartori MGF (*see* de Deus et al). 2003;189:1654-9
Savitz DA (*see* Siega-Riz et al). 2003;189:519-25
Scalera F (*see* Schlembach et al). 2003;189:1418-22
Schaffer JI (*see* Corton et al). 2003;189:647-51
Schaffer JI (*see* Wai et al). 2003;189:884-5
Schaffer JI (*see* Wai et al). 2003;189:1637-45
Schellenberg J-C, Stewart AW, Pliška V. Uterine contractile response to the graded infusion of oxytocin in guinea pigs near term. 2003;189:201-7
Schey D (*see* Salom et al). 2003;189:1563-8
Schinelli S (*see* Poggi et al). 2003;189:790-3
Schisterman EF (*see* Zhang and Schisterman). 2003;189:1212 (Letter)
Schlaerth AC (*see* Schlaerth et al). 2003;189:1515-6 (Letter reply)
Schlaerth JB, Spirtos NM, Schlaerth AC. Radical trachelectomy. 2003;189:1515-6 (Letter reply)
Schlaerth JB, Spirtos NM, Schlaerth AC. Radical trachelectomy: a need for a careful preoperative assessment. 2003;189:1515-6 (Letter reply)
Schlembach D, Scalera F, Fischer T, Marx SG, Beinder E, Garfield RE. Neurokinin B peptide serum levels are higher in normotensive pregnant women than in preeclamptic pregnant women. 2003;189:1418-22
Schlievert PM (*see* Davis et al). 2003;189:1785-91
Schmidt S (*see* Tekesin et al). 2003;189:532-9
Schneider KM (*see* Monga et al). 2003;189:628-30
Schneider KM (*see* Promecene et al). 2003;189:631-3
Schninelli S (*see* Poggi et al). 2003;189:786-9
Schnuth RL, Vasilenko P, Mavis B, Marshall J. What influences medical students to pursue careers in obstetrics and gynecology? 2003;189:639-43
Schoeberlein A (*see* Young et al). 2003;189:698-701
Schoen ML (*see* Gonçalves et al). 2003;189:1792-802
Schoen ML (*see* Kalache et al). 2003;189:1401-6
Schonauer S (*see* Cicinelli et al). 2003;189:55-8
Schubert DC (*see* Unger and Schubert). 2003;189:900 (Letter reply)
Schuitemaker N (*see* van Roosmalen and Schuitemaker). 2003;189:616-7 (Letter)
Schulkin J (*see* Dietrich et al). 2003;189:267-73 (Education)
Schultes BC (*see* Möbus et al). 2003;189:28-36
Schwartz AG (*see* Barnholtz-Sloan et al). 2003;189:1120-7
Sciarra JJ (*see* Klufio et al). 2003;189:692-6
Scorza WE (*see* Vintzileos et al). 2003;189:818-23
Scott H (*see* Chandra et al). 2003;189:775-81
Scott JM (*see* Cotter et al). 2003;189:391-6
Scotti RJ (*see* Vardy et al). 2003;189:81-8
Seaward G (*see* Bernardini et al). 2003;189:1378-82
Seaward G (*see* Bustard et al). 2003;189:1777-8
Seed PT (*see* Stone et al). 2003;189:274-9 (Education)
Segel SY, Miles AM, Clothier B, Parry S, Macones GA. Duration of antibiotic therapy after preterm premature rupture of fetal membranes. 2003;189:799-802
Sehdev HM (*see* Abbasi et al). 2003;189:782-5
Semer DA (*see* Sherard et al). 2003;189:358-63
Senat MV, Loizeau S, Couderc S, Bernard JP, Ville Y. The value of middle cerebral artery peak systolic velocity in the diagnosis of fetal anemia after intrauterine death of one monochorionic twin. 2003;189:1320-4
Serour GI (*see* Mansour et al). 2003;189:444-6
Serwadda D (*see* Kigozi et al). 2003;189:1398-400
Severi FM (*see* Reis et al). 2003;189:1361-7
Sewankambo N (*see* Kigozi et al). 2003;189:1398-400
Sfakianaki AK (*see* Roman et al). 2003;189:1368-73
Shackelford DP (*see* Lowder et al). 2003;189:1559-62
Shackelford DP (*see* O'Neal et al). 2003;189:1539-42
Shalev E (*see* Nachum et al). 2003;189:159-65
Shalev E (*see* Weiss et al). 2003;189:1757-62
Sharma G, Heier L, Kalish RB, Troiano R, Chasen ST. Use of fetal magnetic resonance imaging in patients electing termination of pregnancy by dilation and evacuation. 2003;189:990-3
Sharma G, Kalish RB, Chasen ST. Prognostic factors associated with antenatal subchorionic echolucencies. 2003;189:994-6
Sharma G (*see* Kalish et al). 2003;189:706-9
Sharma G (*see* Kalish et al). 2003;189:736-9
Sheffield JS (*see* Hollier et al). 2003;189:1178-83
Sheiner E (*see* Ofir et al). 2003;189:1042-6
Shen C (*see* Paavonen et al). 2003;189:1287-92
Sherard GB III, Hodson CA, Williams HJ, Semer DA, Hadi HA, Tait DL. Adnexal masses and pregnancy: a 12-year experience. 2003;189:358-63
Shi L (*see* Maul et al). 2003;189:963-7
Shifren JL, Mazer NA. Safety profile of transdermal testosterone therapy in women. 2003;189:898-9 (Letter)
Shim J-Y (*see* Yoon et al). 2003;189:919-24
Shim S-S (*see* Yoon et al). 2003;189:919-24
Shinn EH (*see* Basen-Engquist et al). 2003;189:1136-42
Shintani AK (*see* Hartert et al). 2003;189:1705-12
Shlay J (*see* Dunn et al). 2003;189:435-7
Shlay JC, Mayhugh B, Foster M, Maravi ME, Barón AE, Douglas JM Jr. Initiating contraception in sexually transmitted disease clinic setting: a randomized trial. 2003;189:473-81
Shlomo IB (*see* Weiss et al). 2003;189:1757-62
Shott S (*see* Elkadry et al). 2003;189:1551-8
Shull BL. A. Cullen Richardson: noticer, pioneer, mentor, and friend. 2003;189:403-7
Shushan A (*see* Stewart et al). 2003;189:48-54
Shy K (*see* Dempsey et al). 2003;189:494-500
Sibai B (*see* Moldenhauer et al). 2003;189:1173-7
Sibai BM (*see* Hnat et al). 2003;189:877-9
Siega-Riz AM, Promislow JHE, Savitz DA, Thorp JM Jr, McDonald T. Vitamin C intake and the risk of preterm delivery. 2003;189:519-25
Silver RM (*see* Sullivan et al). 2003;189:1310-3
Silver-Isenstadt A (*see* Ubel and Silver-Isenstadt). 2003;189:1809 (Letter reply)
Simhan HN, Caritis SN, Krohn MA, de Tejada BM, Landers DV, Hillier SL. Decreased cervical proinflammatory cytokines permit subsequent upper genital tract infection during pregnancy. 2003;189:560-7. Correction 2003;189:1734

Simhan HN, Caritis SN, Krohn MA, Hillier SL. Elevated vaginal pH and neutrophils are associated strongly with early spontaneous preterm birth. 2003;189:1150-4
Simhan HN, Krohn MA, Roberts JM, Zeevi A, Caritis SN. Interleukin-6 promoter–174 polymorphism and spontaneous preterm birth. 2003;189:915-8
Sindos M, Wang TF, Pisal N, Eben F, Singer A. Bilateral hematosalpinx in a case of ectopic pregnancy: a clinical dilemma. 2003;189:892-3
Singer A (*see* Sindos et al). 2003;189:892-3
Sistrom CL (*see* Williams et al). 2003;189:342-7
Sklair M (*see* Stewart et al). 2003;189:48-54
Slucher BC (*see* O'Connor and Slucher). 2003;189:1511 (Letter)
Sluss PM (*see* Jain et al). 2003;189:1080-4
Smith EO (*see* Butte et al). 2003;189:1423-32
Smith GN (*see* Bustard et al). 2003;189:1777-8
Smith LH, Danielsen B, Allen ME, Cress R. Cancer associated with obstetric delivery: results of linkage with the California cancer registry. 2003;189:1128-35
Smith VJ (*see* Clark et al). 2003;189:1261-7
Smith-Bindman R, Chu P, Bacchetti P, Waters JJ, Mutton D, Alberman E. Prenatal screening for Down syndrome in England and Wales and population-based birth outcomes. 2003;189:980-5
Smulian JC (*see* Chavez et al). 2003;189:1021-5
Smulian JC (*see* Vintzileos et al). 2003;189:818-23
Snowden MS (*see* Hartert et al). 2003;189:1705-12
Sobel JD, Chaim W, Nagappan V, Leaman D. Treatment of vaginitis caused by *Candida glabrata*: use of topical boric acid and flucytosine. 2003;189:1297-300
Soji T (*see* Suzuki et al). 2003;189:216-21
Soligo M, Salvatore S, Milani R, Lalia M, Malberti S, Digesu GA, Mariani S. Double incontinence in urogynecologic practice: a new insight. 2003;189:438-43
Somigliana E (*see* Bucceri et al). 2003;189:545-51
Somma P (*see* Di Lieto et al). 2003;189:594-600
Sood AK (*see* Bender et al). 2003;189:113-7
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Soules MR (*see* Jain et al). 2003;189:1080-4
Sousa B (*see* Loureiro et al). 2003;189:1350-5
Speroff L. WHI trial: it's time to be critical! 2003;189:620 (Editorial)
Spirtos NM (*see* Schlaerth et al). 2003;189:1515-6 (Letter reply)
Spitz B (*see* Donders et al). 2003;189:1433-8
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Spong CY (*see* Poggi et al). 2003;189:786-9
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Steegers-Theunissen RPM (*see* van Rooij et al). 2003;189:1155-60
Stehouwer CDA (*see* Post et al). 2003;189:1221-7
Stembridge TW (*see* Lashbrook et al). 2003;189:662-5
Stepanchak W (*see* Clapp et al). 2003;189:488-93
Stepp KJ (*see* Muir et al). 2003;189:1632-6
Stewart AW (*see* Schellenberg et al). 2003;189:201-7
Stewart B (*see* Vuckovic et al). 2003;189:S48-53
Stewart EA, Gedroyc WMW, Tempany CMC, Quade BJ, Inbar Y, Ehrenstein T, Shushan A, Hindley JT, Goldin RD, David M, Sklair M, Rabinovici J. Focused ultrasound treatment of uterine fibroid tumors: safety and feasibility of a noninvasive thermoablative technique. 2003;189:48-54
Stitzel JD (*see* Moorcroft et al). 2003;189:540-4
Stoll BJ (*see* Wadhawan et al). 2003;189:501-6
Stone S, Langford K, Seed PT, Khamashta MA, Hunt BJ, Poston L. Longitudinal analysis of serum insulin-like growth factor-I and insulin-like growth factor binding protein-1 in antiphospholipid syndrome and in healthy pregnancy. 2003;189:274-9 (Education)
Storme L (*see* Deruelle et al). 2003;189:208-15
Stotland N (*see* Dietrich et al). 2003;189:267-73 (Education)
Stotland NE (*see* Caughey et al). 2003;189:1047-52
Strauss RA, Balu R, Kuller JA, McMahon MJ. Gastroschisis: the effect of labor and ruptured membranes on neonatal outcome. 2003;189:1672-8
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Styer AK, Parker HJ, Roberts DJ, Palmer-Toy D, Toth TL, Ecker JL. Placental villitis of unclear etiology during ovum donor in vitro fertilization pregnancy. 2003;189:1184-6
Su M, McLeod L, Ross S, Willan A, Hannah WJ, Hutton E, Hewson S, Hannah ME, Term Breech Trial Collaborative Group. Factors associated with adverse perinatal outcome in the Term Breech Trial. 2003;189:740-5
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Tekesin I, Hellmeyer L, Heller G, Römer A, Kühnert M, Schmidt S. Evaluation of quantitative ultrasound tissue characterization of the cervix and cervical length in the prediction of premature delivery for patients with spontaneous preterm labor. 2003;189:532-9
Teleman PM, Gunnarsson M, Lidfeldt J, Nerbrand C, Samsioe G, Mattiasson A. Urethral pressure changes in response to

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Thadhani R, Wolf M, Hsu-Blatman K, Sandler L, Nathan D, Ecker JL. First-trimester sex hormone binding globulin and subsequent gestational diabetes mellitus. 2003;189:171-6
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Timor-Tritsch IE, Masch RJ, Goldstein SR, Ng E, Monteagudo A. Transvaginal ultrasound-assisted gynecologic surgery: evaluation of a new device to improve safety of intrauterine surgery. 2003;189:1074-9
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Mechanisms of matrix metalloproteinase-9 and matrix metalloproteinase-2 inhibition by N-acetylcysteine in the human term decidua and fetal membranes (Weiss et al). 2003;189:1757-62

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Acquired immunodeficiency syndrome

Multiple-marker screening in human immunodeficiency virus-positive pregnant women: screen positivity rates with the triple and quad screens (Yudin et al). 2003;189:973-6

Adenocarcinoma

The effect of various insufflation gases on tumor implantation in an animal model (Narducci et al) (Letter); (Hopkins) (Reply). 2003;189:616

Serum CA 125 is an independent prognostic factor in cervical adenocarcinoma (Bender et al). 2003;189:113-7

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Adhesions

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Adipose tissue

Increased fetal adiposity: a very sensitive marker of abnormal in utero development (Catalano et al). 2003;189:1698-704

The influence of obesity and gestational diabetes mellitus on accretion and the distribution of adipose tissue in pregnancy (Ehrenberg et al). 2003;189:944-8

Weight at birth and subsequent risk of preeclampsia as an adult (Dempsey et al). 2003;189:494-500

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The effects of transdermal estrogen therapy on bone mass and turnover in early postmenopausal smokers: a prospective, controlled study (Välimäki et al). 2003;189:1213-20

Safety profile of transdermal testosterone therapy in women (Shifren and Mazer) (Letter); (Modelska and Cummings) (Reply). 2003;189:898-9

Administration, intravaginal

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Administration, oral

Effects of low-dose oral and transdermal estrogen replacement therapy on hemostatic factors in healthy postmenopausal women: a randomized placebo-controlled study (Post et al). 2003;189:1221-7

The MisoPROM study: a multicenter randomized comparison of oral misoprostol and oxytocin for premature rupture of membranes at term (Mozurkewich et al). 2003;189:1026-30

Oral misoprostol for premature rupture of membranes at term (Crane et al). 2003;189:720-4

Administration, topical

Treatment of vaginitis caused by *Candida glabrata*: use of topical boric acid and flucytosine (Sobel et al). 2003;189:1297-300

Adnexal neoplasms

Adnexal masses and pregnancy: a 12-year experience (Sherard et al). 2003;189:358-63

Adrenal cortex hormones

Intra-amniotic corticosteroids for preterm lung maturation in sheep (Moss et al). 2003;189:1389-95

Maternal benefit of high-dose intravenous corticosteroid therapy for HELLP syndrome (Martin et al). 2003;189:830-4

Pharmacokinetics of betamethasone after maternal or fetal intramuscular administration (Moss et al). 2003;189:1750-6

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Ghana postgraduate obstetrics/gynecology collaborative residency training program: success story and model for Africa (Klufio et al). 2003;189:692-6

Age factors
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Clinical characteristics of patients with an abnormal clomiphene citrate challenge test (Hicks et al). 2003;189:348-53
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Pregnancy rates in varying age groups after in vitro fertilization: a comparison of follitropin alfa (Gonal F) and follitropin beta (Follistim) (Williams et al). 2003;189:342-7

Aged
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Antibiotics

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Antibodies

Antibodies against platelet-activating factor and platelet-activating factor-like lipids are raised in women with primary recurrent abortion (Frostegård et al). 2003;189:568-73

Serum antibody response to the heat shock protein 60 of *Chlamydia trachomatis* in women with developing cervical cancer (Paavonen et al). 2003;189:1287-92

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Antidepressive agents

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Antiphospholipid syndrome

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Serum CA 125 is an independent prognostic factor in cervical adenocarcinoma (Bender et al). 2003;189:113-7

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Gastroschisis: the effect of labor and ruptured membranes on neonatal outcome (Strauss et al). 2003;189:1672-8

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Cost-effectiveness of induction after preterm premature rupture of membranes (Jelsema) (Letter); (Grable) (Reply). 2003;189: 305

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Neutrophil granule products: can they identify subclinical chorioamnionitis in patients with preterm premature rupture of membranes? (Grable and Heine). 2003;189:808-12

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Does external tocodynamometry increase maternal perception of uterine contractions? (Lawson et al). 2003;189:1396-7

Perineum
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Peritoneum
Does a "peritoneal circulation" really exist? (Redwine). 2003;189:306 (Reply)
Effects of oxidized regenerated cellulose on the expression of extracellular matrix and transforming growth factor-β1 in human peritoneal fibroblasts and mesothelial cells (Gago et al). 2003;189:1620-6
Nonclosure of peritoneum: a reappraisal (Tulandi and Al-Jaroudi). 2003;189:609-12 (AJOG reviews)

Peritonitis
A case of lupus peritonitis and cystitis after ovulation induction therapy (Tsunoda et al). 2003;189:888-9

Permeability
Penetration of toxic shock syndrome toxin-1 across porcine vaginal mucosa ex vivo: permeability characteristics, toxin distribution, and tissue damage (Davis et al). 2003;189:1785-91

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Pharmacokinetics
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Phenotype
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Phosphoprotein phosphatases
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Physician's practice patterns
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Relationship between patient report and physician assessment of urinary incontinence severity (Melville et al). 2003;189:76-80

Physiology
Failure of physiologic transformation of the spiral arteries in patients with preterm labor and intact membranes (Kim et al). 2003;189:1063-9

Placebos
Effects of low-dose oral and transdermal estrogen replacement therapy on hemostatic factors in healthy postmenopausal

women: a randomized placebo-controlled study (Post et al). 2003;189:1221-7

Efficacy of desmopressin (Minirin) in the treatment of nocturia: a double-blind placebo-controlled study in women (Lose et al). 2003;189:1106-13

A randomized, controlled trial to compare ketorolac tromethamine versus placebo after cesarean section to reduce pain and narcotic usage (Lowder et al). 2003;189:1559-62

Sublingual nitroglycerin versus placebo as a tocolytic for external cephalic version: a randomized controlled trial in parous women (Bujold et al). 2003;189:1070-3

Placenta

Cord C-peptide and insulin-like growth factor-I, birth weight, and placenta weight among North African and Belgian neonates (Delvaux et al). 2003;189:1779-84

The effect of an elevated maternal lysine concentration on placental lysine transport in pregnant sheep (Wilkes et al). 2003;189:1494-500

The effects of a cyclo-oxygenase II inhibitor on placental artery production of thromboxane and prostacyclin (Howard et al). 2003;189:835-8

Fetoplacental vascular tone is modified by magnesium sulfate in the preeclamptic ex vivo human placental cotyledon (Kovac et al). 2003;189:839-42

Fine-needle aspiration in the evaluation of nucleated red blood cells in the human placenta (Akyol et al). 2003;189:155-8

The frequency and severity of placental findings in women with preeclampsia are gestational age dependent (Moldenhauer et al). 2003;189:1173-7

Maternal plasma hypertonicity is accentuated in the postterm rat (Ladella et al). 2003;189:1439-44

Monoamniotic-versus diamniotic-monochorionic twin placentas: anastomoses and twin-twin transfusion syndrome (Umur et al). 2003;189:1325-9

Placental villitis of unclear etiology during ovum donor in vitro fertilization pregnancy (Styer et al). 2003;189:1184-6

A proinflammatory cytokine response is present in the fetal placental vasculature in placental insufficiency (Wang et al). 2003;189:1445-51

Renal and placental secretion of erythropoietin during anemia or hypoxia in the ovine fetus (Davis et al). 2003;189:1763-9

Transcriptional effects of hypoxia on fusiogenic syncytin and its receptor ASCT2 in human cytotrophoblast BeWo cells and in ex vivo perfused placental cotyledons (Knerr et al). 2003;189:583-8

Placenta previa

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Placental insufficiency

A proinflammatory cytokine response is present in the fetal placental vasculature in placental insufficiency (Wang et al). 2003;189:1445-51

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Elevated plasma endothelial microparticles in preeclampsia (González-Quintero et al). 2003;189:589-93

Elevated plasma homocysteine in early pregnancy: a risk factor for the development of nonsevere preeclampsia (Cotter et al). 2003;189:391-6

Homocysteine plasma concentration levels for the prediction of preeclampsia in women with chronic hypertension (Zeeman et al). 2003;189:574-6

Human maternal and fetal plasma glyceryl trinitrate concentrations (Bustard et al). 2003;189:1777-8

Isolated microparticles, but not whole plasma, from women with preeclampsia impair endothelium-dependent relaxation in isolated myometrial arteries from healthy pregnant women (Myers and Baker) (Letter); (vanWijk et al) (Reply). 2003;189:1209-10

Maternal plasma cellular fibronectin for early prediction of preeclampsia (Zhang and Schisterman). 2003;189:1212 (Letter)

Maternal plasma hypertonicity is accentuated in the postterm rat (Ladella et al). 2003;189:1439-44

Platelet-activating factor

Antibodies against platelet-activating factor and platelet-activating factor–like lipids are raised in women with primary recurrent abortion (Frostegård et al). 2003;189:568-73

Platelet-activating factor antagonist WEB-2170 inhibits lipopolysaccharide-induced, but not antiprogestin-induced, preterm cervical ripening in timed-pregnant rats (Maul et al). 2003;189:963-7

Platelet count

Maternal benefit of high-dose intravenous corticosteroid therapy for HELLP syndrome (Martin et al). 2003;189:830-4

Platelet transfusion; *see* Blood component transfusion

Polycystic ovary syndrome

Does ovarian blood flow distinguish between ovulatory and anovulatory patients with polycystic ovary syndrome? (Carmina et al). 2003;189:1283-6

Polyhydramnios

Brain natriuretic peptide and endothelin-1 in the pathogenesis of polyhydramnios-oligohydramnios in monochorionic twins (Bajoria et al). 2003;189:189-94

Polymerase chain reaction

The clinical significance of detecting *Ureaplasma urealyticum* by the polymerase chain reaction in the amniotic fluid of patients with preterm labor (Yoon et al). 2003;189:919-24

Polymorphism

Human progesterone receptor polymorphisms and implantation failure during in vitro fertilization (Cramer et al). 2003;189:1085-92

Interleukin-1 receptor antagonist gene polymorphism and multifetal pregnancy outcome (Kalish et al). 2003;189:911-4

Interleukin-6 promoter-174 polymorphism and spontaneous preterm birth (Simhan et al). 2003;189:915-8

Polymorphism in intron 2 of the fetal interleukin-1 receptor antagonist genotype influences midtrimester amniotic fluid concentrations of interleukin-1β and interleukin-1 receptor antagonist and pregnancy outcome (Witkin et al). 2003;189:1413-7

Population

Menopause-related symptoms: what are the background factors? A prospective population-based cohort study of Swedish women (The Women's Health in Lund Area study) (Li et al). 2003;189:1646-53

Point prevalence of psychiatric disorders during the second trimester of pregnancy: a population-based study (Andersson et al). 2003;189:148-54

Prenatal screening for Down syndrome in England and Wales and population-based birth outcomes (Smith-Bindman et al). 2003;189:980-5

Urethral pressure changes in response to squeeze: a population-based study in healthy and incontinent 53- to 63-year-old-women (Teleman et al). 2003;189:1100-5

Postmenopause; *see* Menopause

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Are in-dwelling catheters necessary for 24 hours after hysterectomy? (Dunn et al). 2003;189:435-7

Postpartum depression; *see* Depression

Poxvirus infections

Molluscum contagiosum: the importance of early diagnosis and treatment (Tyring). 2003;189:S12-6

Preeclampsia

Causes of thrombocytopenia in triplet gestations (Al-Kouatly et al). 2003;189:177-80

Differential expression of TcR-CD3 zeta as evidence for altered immunoregulation in preeclamptic versus normotensive women (Lam et al). 2003;189:843-7
Diffusion imaging may predict reversible brain lesions in eclampsia and severe preeclampsia: initial experience (Loureiro et al). 2003;189:1350-5
Elevated plasma endothelial microparticles in preeclampsia (González-Quintero et al). 2003;189:589-93
Elevated plasma homocysteine in early pregnancy: a risk factor for the development of nonsevere preeclampsia (Cotter et al). 2003;189:391-6
Elevation of serum macrophage colony-stimulating factor before the clinical manifestations of preeclampsia (Hayashi et al). 2003;189:1356-60
Fetal betamethasone treatment and neonatal outcome in preeclampsia and intrauterine growth restriction (Szabó et al) (Letter); (Jobe et al) (Reply). 2003;189:1813-4
Fetoplacental vascular tone is modified by magnesium sulfate in the preeclamptic ex vivo human placental cotyledon (Kovac et al). 2003;189:839-42
The frequency and severity of placental findings in women with preeclampsia are gestational age dependent (Moldenhauer et al). 2003;189:1173-7
Homocysteine plasma concentration levels for the prediction of preeclampsia in women with chronic hypertension (Zeeman et al). 2003;189:574-6
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Low selenium status is associated with the occurrence of the pregnancy disease preeclampsia in women from the United Kingdom (Rayman et al). 2003;189:1343-9
Maternal plasma cellular fibronectin for early prediction of preeclampsia (Zhang and Schisterman). 2003;189:1212 (Letter)
Neurokinin B peptide serum levels are higher in normotensive pregnant women than in preeclamptic pregnant women (Schlembach et al). 2003;189:1418-22
A prospective comparison of total protein/creatinine ratio versus 24-hour urine protein in women with suspected preeclampsia (Durnwald and Mercer). 2003;189:848-52
Severe preeclampsia is associated with high inhibin A levels and normal leptin levels at 7 to 13 weeks into pregnancy (Salomon et al). 2003;189:1517-22 (Editors' choice)
Tertiary care improves the chance for vaginal delivery in women with preeclampsia (Mostello et al). 2003;189:824-9
Ultrastructural changes in omental resistance artery in women with preeclampsia (Suzuki et al). 2003;189:216-21
Weight at birth and subsequent risk of preeclampsia as an adult (Dempsey et al). 2003;189:494-500
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Pregnancy

Computational model of the pregnant occupant: predicting the risk of injury in automobile crashes (Moorcroft et al). 2003;189:540-4
A history of induced abortion in relation to substance abuse during subsequent pregnancies carried to term (Darroch et al) (Letter); (Coleman et al) (Reply). 2003;189:617-8.
Longitudinal analysis of serum insulin-like growth factor-I and insulin-like growth factor binding protein-1 in antiphospholipid syndrome and in healthy pregnancy (Stone et al). 2003;189:274-9 (Education)
Pregnancy during obstetrics and gynecology residency: effect on surgical experience (Lashbrook et al). 2003;189:662-5
Pregnancy rates in varying age groups after in vitro fertilization: a comparison of follitropin alfa (Gonal F) and follitropin beta (Follistim) (Williams et al). 2003;189:342-7

Pregnancy, ectopic

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Bilateral hematosalpinx in a case of ectopic pregnancy: a clinical dilemma (Sindos et al). 2003;189:892-3
Successful medical abortion of a pregnancy within a noncommunicating rudimentary uterine horn (Edelman et al). 2003;189:886-7

Pregnancy, multiple

Antenatal factors associated with significant birth weight discordancy in twin gestations (González-Quintero et al). 2003;189:813-7
Brain natriuretic peptide and endothelin-1 in the pathogenesis of polyhydramnios-oligohydramnios in monochorionic twins (Bajoria et al). 2003;189:189-94
Causes of thrombocytopenia in triplet gestations (Al-Kouatly et al). 2003;189:177-80
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Long-term neurodevelopmental outcome in twin-to-twin transfusion syndrome (Lopriore et al). 2003;189:1314-9
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Monoamniotic-versus diamniotic-monochorionic twin placentas: anastomoses and twin-twin transfusion syndrome (Umur et al). 2003;189:1325-9
Monochorionic pregnancy—Where have we been? Where are we going? (Malone). 2003;189:1308-9 (Editorial)
Pregnancy outcome in spontaneous twins versus twins who were conceived through in vitro fertilization (Nassar et al). 2003;189:513-8
Prevalence of anal incontinence among mothers of multiples and analysis of risk factors (Goldberg et al). 2003;189:1627-31
Specialized prenatal care and maternal and infant outcomes in twin pregnancy (Luke et al). 2003;189:934-8
The value of middle cerebral artery peak systolic velocity in the diagnosis of fetal anemia after intrauterine death of one monochorionic twin (Senat et al). 2003;189:1320-4

Pregnancy, physiology

The effect of an elevated maternal lysine concentration on placental lysine transport in pregnant sheep (Wilkes et al). 2003;189:1494-500
Expression and regulation of the rat prostaglandin E_2 receptor type 4 (EP4) in pregnant cervical tissue (Chien and MacGregor). 2003;189:1501-10
Induction of localized differences in rat uterine radial artery behavior and structure during gestation (Gokina et al). 2003;189:1489-93
Isolated microparticles, but not whole plasma, from women with preeclampsia impair endothelium-dependent relaxation in isolated myometrial arteries from healthy pregnant women (Myers and Baker) (Letter); (vanWijk et al) (Reply). 2003;189:1209-10
Maternal cerebral blood flow changes in pregnancy (Zeeman et al). 2003;189:968-72
Response of fetal prostanoids, nitric oxide, and ductus arteriosus to the short- and long-term antenatal administration of celecoxib, a selective cyclo-oxygenase-2 inhibitor, in the pregnant rabbit (Hausman et al). 2003;189:1743-9
Smoking during pregnancy is associated with alterations in markers of endothelial function (Lain et al). 2003;189:1196-201
Vaginal cytokines in normal pregnancy (Donders et al). 2003;189:1433-8

Pregnancy, prolonged

Maternal plasma hypertonicity is accentuated in the postterm rat (Ladella et al). 2003;189:1439-44

Perinatal and maternal complications related to postterm delivery: a national register-based study, 1978-1993 (Olesen et al). 2003;189:222-7

Pregnancy, tubal

Bilateral hematosalpinx in a case of ectopic pregnancy: a clinical dilemma (Sindos et al). 2003;189:892-3

Pregnancy complications

Abdominal sacrohysteropexy in young women with uterovaginal prolapse: long-term follow-up (Barranger et al). 2003;189:1245-50

Betamethasone effects on chorioamnionitis induced by intra-amniotic endotoxin in sheep (Newnham et al). 2003;189:1458-66

Brain natriuretic peptide and endothelin-1 in the pathogenesis of polyhydramnios-oligohydramnios in monochorionic twins (Bajoria et al). 2003;189:189-94

Chorioamnionitis induced by subchorionic endotoxin infusion in sheep (Moss et al). 2003;189:1770-6

Clinical significance of the umbilical cord twist (Kalish et al). 2003;189:736-9

Collagen content and growth factor immunoexpression in uterine lower segment of type IA osteogenesis imperfecta: relationship with recurrent uterine rupture in pregnancy (Di Lieto et al). 2003;189:594-600

Deciding on route of delivery for obese women with a prior cesarean delivery (Edwards et al). 2003;189:385-90

First-trimester sex hormone binding globulin and subsequent gestational diabetes mellitus (Thadhani et al). 2003;189:171-6

Graves' disease in pregnancy: prospective evaluation of a selective invasive treatment protocol (Nachum et al). 2003;189:159-65

The impact of a single- or double-layer closure on uterine rupture (Joura et al) (Letter); (Bujold et al) (Reply). 2003;189:895-6

Increased fetal adiposity: a very sensitive marker of abnormal in utero development (Catalano et al). 2003;189:1698-704

The influence of obesity and gestational diabetes mellitus on accretion and the distribution of adipose tissue in pregnancy (Ehrenberg et al). 2003;189:944-8

An initial Glasgow score of 4 and Apgar scores of 9 and 9: a case report of a pregnant comatose woman (Hnat et al). 2003;189:877-9

Longitudinal analysis of serum insulin-like growth factor-I and insulin-like growth factor binding protein-1 in antiphospholipid syndrome and in healthy pregnancy (Stone et al). 2003;189:274-9 (Education)

The management of acardiac twins: a conservative approach (Sullivan et al). 2003;189:1310-3

Maternal morbidity and perinatal outcomes among pregnant women with respiratory hospitalizations during influenza season (Hartert et al). 2003;189:1705-12

Maternal and perinatal complications with uterine rupture in 142,075 patients who attempted vaginal birth after cesarean delivery: a review of the literature (Chauhan et al). 2003;189:408-17

Neutrophil granule products: can they identify subclinical chorioamnionitis in patients with preterm premature rupture of membranes? (Grable and Heine). 2003;189:808-12

Perinatal and maternal complications related to postterm delivery: a national register-based study, 1978-1993 (Olesen et al). 2003;189:222-7

Point prevalence of psychiatric disorders during the second trimester of pregnancy: a population-based study (Andersson et al). 2003;189:148-54

Prospective comparative study of the safety and effectiveness of ginger for the treatment of nausea and vomiting in pregnancy (Portnoi et al). 2003;189:1374-7

Umbilical blood sampling in women with thyroid disease in pregnancy: is it necessary? (Kilpatrick). 2003;189:1-2 (Editorial)

Uterine rupture, perioperative and perinatal morbidity after single-layer and double-layer closure at cesarean delivery (Durnwald and Mercer). 2003;189:925-9

Uterine rupture: risk factors and pregnancy outcome (Ofir et al). 2003;189:1042-6

What is the best measure of maternal complications of term pregnancy: ongoing pregnancies or pregnancies delivered? (Caughey et al). 2003;189:1047-52

Pregnancy complications, hematologic

Conventional management of maternal red cell alloimmunization compared with management by Doppler assessment of middle cerebral artery peak systolic velocity (Pereira et al). 2003;189:1002-6

Fetal anemia as a response to prophylactic platelet transfusion in the management of alloimmune thrombocytopenia (Yeast and Plapp). 2003;189:874-6

Minimizing red blood cell contamination while isolating mononuclear cells from whole blood: the next step for the treatment of severe hemolytic disease of the fetus/newborn (Lam et al). 2003;189:1012-6

Pregnancy complications, infectious

Bacterial vaginosis as a risk factor for preterm delivery: a meta-analysis (Leitich et al). 2003;189:139-47

The clinical significance of detecting *Ureaplasma urealyticum* by the polymerase chain reaction in the amniotic fluid of patients with preterm labor (Yoon et al). 2003;189:919-24

Clinical trial of chlorhexidine vaginal irrigation to prevent peripartal infection in nulliparous women (Rouse et al). 2003;189:166-70

Coxiella burnetii seropositivity in parturient women is associated with adverse pregnancy outcomes (Langley et al). 2003;189:228-32

Decreased cervical proinflammatory cytokines permit subsequent upper genital tract infection during pregnancy (Simhan et al). 2003;189:560-7. Correction 2003;189:1734

Discontinuing combination antiretroviral therapy during the first trimester of pregnancy: insights from plasma human immunodeficiency virus-1 RNA viral load and CD4 cell count (Bucceri et al). 2003;189:545-51

Duration of antibiotic therapy after preterm premature rupture of fetal membranes (Segel et al). 2003;189:799-802

Helicobacter pylori infection and the occurrence and severity of gastrointestinal symptoms during pregnancy (Weyermann et al). 2003;189:526-31

The infectious origins of stillbirth (Goldenberg and Thompson). 2003;189:861-73 (AJOG reviews)

Is adenovirus a fetal pathogen? (Baschat et al). 2003;189:758-63

Multiple-marker screening in human immunodeficiency virus–positive pregnant women: screen positivity rates with the triple and quad screens (Yudin et al). 2003;189:973-6

Prolonged latency after preterm premature rupture of membranes: an evaluation of histologic condition and intracranial ultrasonic abnormality in the neonate born at <28 weeks of gestation (McElrath et al). 2003;189:794-8

The relationship of pregnancy to human immunodeficiency virus disease progression (Minkoff et al). 2003;189:552-9

Treatment of *Trichomonas* in pregnancy and adverse outcomes of pregnancy: a subanalysis of a randomized trial in Rakai, Uganda (Kigozi et al). 2003;189:1398-400

Pregnancy complications, neoplastic

Adnexal masses and pregnancy: a 12-year experience (Sherard et al). 2003;189:358-63

Pregnancy outcomes in patients after radical trachelectomy (Bernardini et al). 2003;189:1378-82

Pregnancy in diabetes

Preprandial versus postprandial blood glucose monitoring in type 1 diabetic pregnancy: a randomized controlled clinical trial (Manderson et al). 2003;189:507-12

Pregnancy maintenance

Cervical incompetence prevention randomized cerclage trial: emergency cerclage with bed rest versus bed rest alone (Althuisius et al). 2003;189:907-10

Does cerclage location influence perinatal outcome? (Rust et al). 2003;189:1688-91

Effectiveness of cervical cerclage for a sonographically shortened cervix: a systematic review and meta-analysis (Belej-Rak et al). 2003;189:1679-87

Vaginal fetal fibronectin as a predictor of spontaneous preterm delivery in the patient with cervical cerclage (Roman et al). 2003;189:1368-73

Pregnancy outcome

Adnexal masses and pregnancy: a 12-year experience (Sherard et al). 2003;189:358-63

Adverse pregnancy outcomes in snuff users (England et al). 2003;189:939-43

Association between use of antenatal magnesium sulfate in preterm labor and adverse health outcomes in infants (Mittendorf et al). 2003;189:613 (Letter)

Association between the use of antenatal magnesium sulfate in preterm labor and adverse health outcomes in infants (Usta and Nassar) (Letter); (Mittendorf et al) (Reply). 2003;189:614-6

Coxiella burnetii seropositivity in parturient women is associated with adverse pregnancy outcomes (Langley et al). 2003;189:228-32

Does cerclage location influence perinatal outcome? (Rust et al). 2003;189:1688-91

Does labor influence neonatal and neurodevelopmental outcomes of extremely-low-birth-weight infants who are born by cesarean delivery? (Wadhawan et al). 2003;189:501-6

Doppler predictors of adverse neonatal outcome in the growth restricted fetus at 34 weeks' gestation or beyond (Vergani et al). 2003;189:1007-11

Factors associated with adverse perinatal outcome in the Term Breech Trial (Su et al). 2003;189:740-5

Fetal betamethasone treatment and neonatal outcome in preeclampsia and intrauterine growth restriction (Szabó et al) (Letter); (Jobe et al) (Reply). 2003;189:1813-4

Fetal electrocardiography in labor and neonatal outcome (Jacquemyn) (Letter); (Amer-Wåhlin et al) (Reply). 2003;189:308-9

Fetal pulse oximetry: correlation between oxygen desaturation, duration, and frequency and neonatal outcomes (Gorenberg et al). 2003;189:136-8

Gastroschisis: the effect of labor and ruptured membranes on neonatal outcome (Strauss et al). 2003;189:1672-8

Impact of midtrimester dilation and evacuation on subsequent pregnancy outcome (King and Watson) (Letter); (Kalish et al) (Reply). 2003;189:613-4

Interleukin-1 receptor antagonist gene polymorphism and multifetal pregnancy outcome (Kalish et al). 2003;189:911-4

Isolated low second-trimester maternal serum β-human chorionic gonadotropin is not associated with adverse pregnancy outcome (Endres et al). 2003;189:755-7

Low maternal weight, failure to thrive in pregnancy, and adverse pregnancy outcomes (Ehrenberg et al). 2003;189:1726-30

Maternal morbidity and perinatal outcomes among pregnant women with respiratory hospitalizations during influenza season (Hartert et al). 2003;189:1705-12

Neonatal outcome after exposure to indomethacin in utero: a retrospective case cohort study (Abbasi et al). 2003;189:782-5

Polymorphism in intron 2 of the fetal interleukin-1 receptor antagonist genotype influences midtrimester amniotic fluid concentrations of interleukin-1β and interleukin-1 receptor antagonist and pregnancy outcome (Witkin et al). 2003;189:1413-7

Pregnancy outcome and prepregnancy body mass index in 2459 glucose-tolerant Danish women (Jensen et al). 2003;189:239-44

Pregnancy outcome in spontaneous twins versus twins who were conceived through in vitro fertilization (Nassar et al). 2003;189:513-8

Pregnancy outcome in women treated with doxorubicin for childhood cancer (Bar et al). 2003;189:853-7

Pregnancy outcomes in patients after radical trachelectomy (Bernardini et al). 2003;189:1378-82

Prenatal screening for Down syndrome in England and Wales and population-based birth outcomes (Smith-Bindman et al). 2003;189:980-5

Prognostic factors associated with antenatal subchorionic echolucencies (Sharma et al). 2003;189:994-6

Specialized prenatal care and maternal and infant outcomes in twin pregnancy (Luke et al). 2003;189:934-8

Stillbirth and neonatal outcomes in South Australia, 1991-2000 (Dodd et al). 2003;189:1731-5

Treatment of *Trichomonas* in pregnancy and adverse outcomes of pregnancy: a subanalysis of a randomized trial in Rakai, Uganda (Kigozi et al). 2003;189:1398-400

Unexplained elevated maternal serum α-fetoprotein and/or human chorionic gonadotropin and the risk of adverse outcomes (Chandra et al). 2003;189:775-81

Uterine rupture: risk factors and pregnancy outcome (Ofir et al). 2003;189:1042-6

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Pregnancy trimester, first

Discontinuing combination antiretroviral therapy during the first trimester of pregnancy: insights from plasma human immunodeficiency virus-1 RNA viral load and CD4 cell count (Bucceri et al). 2003;189:545-51

Elevated plasma homocysteine in early pregnancy: a risk factor for the development of nonsevere preeclampsia (Cotter et al). 2003;189:391-6

First trimester prediction of growth discordance in twin gestations (Kalish et al). 2003;189:706-9

First-trimester sex hormone binding globulin and subsequent gestational diabetes mellitus (Thadhani et al). 2003;189:171-6

Procedural risks versus theology: chorionic villus sampling for Orthodox Jews at less than 8 weeks' gestation (Goodman) (Letter); (Petrikovsky) (Reply). 2003;189:309-10

Screening performance of first-trimester nuchal translucency for major cardiac defects: a meta-analysis (Makrydimas et al). 2003;189:1330-5

Severe preeclampsia is associated with high inhibin A levels and normal leptin levels at 7 to 13 weeks into pregnancy (Salomon et al). 2003;189:1517-22 (Editors' choice)

Pregnancy trimester, second

Effect of the antenatal administration of celecoxib during the second and third trimesters of pregnancy on prostaglandin, cytokine, and nitric oxide levels in rabbits (Hausman et al). 2003;189:1736-42

Impact of midtrimester dilation and evacuation on subsequent pregnancy outcome (King and Watson) (Letter); (Kalish et al) (Reply). 2003;189:613-4

Isolated low second-trimester maternal serum β-human chorionic gonadotropin is not associated with adverse pregnancy outcome (Endres et al). 2003;189:755-7

Point prevalence of psychiatric disorders during the second trimester of pregnancy: a population-based study (Andersson et al). 2003;189:148-54

Polymorphism in intron 2 of the fetal interleukin-1 receptor antagonist genotype influences midtrimester amniotic fluid concentrations of interleukin-1β and interleukin-1 receptor antagonist and pregnancy outcome (Witkin et al). 2003;189:1413-7

A randomized comparison of two regimens of misoprostol for second-trimester pregnancy termination (Feldman et al). 2003;189:710-3

Pregnancy trimester, third

Effect of the antenatal administration of celecoxib during the second and third trimesters of pregnancy on prostaglandin, cytokine, and nitric oxide levels in rabbits (Hausman et al). 2003;189:1736-42

Effect of dexamethasone on pulmonary and renal angiotensin-converting enzyme concentration in fetal sheep during late gestation (Zimmermann et al). 2003;189:1467-71
External cephalic version beginning at 34 weeks' gestation versus 37 weeks' gestation: a randomized multicenter trial (Hutton et al). 2003;189:245-54
Fetal transcerebellar diameter nomogram in singleton gestations with special emphasis in the third trimester: a comparison with previously published nomograms (Chavez et al). 2003;189:1021-5

Premenstrual syndrome
Impact of oral contraceptive pill use on premenstrual mood: predictors of improvement and deterioration (Joffe et al). 2003;189:1523-30

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The impact of prenatal care on preterm births among twin gestations in the United States, 1989-2000 (Vintzileos et al). 2003;189:818-23
The relationship between amniotic fluid index and successful external cephalic version: a 14-year experience (Boucher et al). 2003;189:751-4
Relationship of prenatal care and perinatal morbidity in low-birth-weight infants (Herbst et al). 2003;189:930-3
Specialized prenatal care and maternal and infant outcomes in twin pregnancy (Luke et al). 2003;189:934-8

Prenatal diagnosis
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Taiwan
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The South Atlantic Association of Obstetricians and Gynecologists
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Thromboelastography
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Tibolone
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Transactions of the twenty-eighth scientific meeting of the Society of Gynecological Surgeons. 2003;189:1532-636
Transactions of the twenty-third annual meeting of the Society for Maternal-Fetal Medicine. 2003;189:698-857
Transactions of the twenty-third annual meeting of the Society for Maternal-Fetal Medicine. 2003;189:907-1073
Transactions of the 2003 annual meeting of the Council on Resident Education in Obstetrics and Gynecology and the Association of Professors of Gynecology and Obstetrics. 2003;189:628-96

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Long-term neurodevelopmental outcome in twin-to-twin transfusion syndrome (Lopriore et al). 2003;189:1314-9

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Monoamniotic-versus diamniotic-monochorionic twin placentas: anastomoses and twin-twin transfusion syndrome (Umur et al). 2003;189:1325-9

Monochorionic pregnancy—Where have we been? Where are we going? (Malone). 2003;189:1308-9 (Editorial)

Pregnancy outcome in spontaneous twins versus twins who were conceived through in vitro fertilization (Nassar et al). 2003;189:513-8

Specialized prenatal care and maternal and infant outcomes in twin pregnancy (Luke et al). 2003;189:934-8

The value of middle cerebral artery peak systolic velocity in the diagnosis of fetal anemia after intrauterine death of one monochorionic twin (Senat et al). 2003;189:1320-4

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Engraftment of human cord blood-derived stem cells in preimmune ovine fetuses after ultrasound-guided in utero transplantation (Young et al). 2003;189:698-701

Evaluation of quantitative ultrasound tissue characterization of the cervix and cervical length in the prediction of premature delivery for patients with spontaneous preterm labor (Tekesin et al). 2003;189:532-9

Feasibility of the fetal anatomic and maternal pelvic survey by magnetic resonance imaging at term (Zaretsky et al). 2003;189:997-1001

Four-dimensional ultrasonography of the fetal heart with spatiotemporal image correlation (Gonçalves et al). 2003;189:1792-802

Magnetic resonance imaging versus ultrasound for fetal central nervous system abnormalities (Timor-Tritsch and Monteagudo) (Letter); (Twickler and Ramus) (Reply). 2003;189:1210-2

Prediction of successful induction of labor at term: role of clinical history, digital examination, ultrasound assessment of the cervix, and fetal fibronectin assay (Reis et al). 2003;189:1361-7

Prenatal diagnosis of atraumatic fetal subdural hematoma (Pilalis et al). 2003;189:882-3

Prognostic factors associated with antenatal subchorionic echolucencies (Sharma et al). 2003;189:994-6

Prolonged latency after preterm premature rupture of membranes: an evaluation of histologic condition and intracranial ultrasonic abnormality in the neonate born at <28 weeks of gestation (McElrath et al). 2003;189:794-8

Three-dimensional color power imaging of the fetal hepatic circulation (Kalache et al). 2003;189:1401-6

Tissue ablation using high-intensity focused ultrasound in the fetal sheep model: potential for fetal treatment (Paek et al). 2003;189:702-5

Ultrasound assessment of the fetal middle cerebral artery peak systolic velocity: a comparison of the near-field versus far-field vessel (Abel et al). 2003;189:986-9

Umbilical arteries

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Umbilical cord

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Clinical significance of the umbilical cord twist (Kalish et al). 2003;189:736-9

Cord C-peptide and insulin-like growth factor-I, birth weight, and placenta weight among North African and Belgian neonates (Delvaux et al). 2003;189:1779-84

The natural history of antenatal nuchal cords (Clapp et al). 2003;189:488-93
Ten-minute umbilical cord occlusion markedly reduces cerebral blood flow and heat production in fetal sheep (Lotgering et al). 2003;189:233-8
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Urinary catheterization
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Urinary incontinence
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Urine
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Urogenital system
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Uterine hemorrhage
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Medroxyprogesterone acetate treatment of abnormal uterine

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Focused ultrasound treatment of uterine fibroid tumors: safety and feasibility of a noninvasive thermoablative technique (Stewart et al). 2003;189:48-54

Inflammatory myoblastic tumor of the uterus and interleukin-6 (Azuno et al). 2003;189:890-1

No confirmed case of human papillomavirus DNA–negative cervical intraepithelial neoplasia grade 3 or invasive primary cancer of the uterine cervix among 511 patients (Böhmer et al). 2003;189:118-20

Uterine prolapse

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Colpocleisis and urinary incontinence (FitzGerald and Brubaker). 2003;189:1241-4

Correlation of symptoms with degree of pelvic organ support in a general population of women: what is pelvic organ prolapse? (Swift et al). 2003;189:372-9

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Maternal and perinatal complications with uterine rupture in 142,075 patients who attempted vaginal birth after cesarean delivery: a review of the literature (Chauhan et al). 2003; 189:408-17

Uterine rupture, perioperative and perinatal morbidity after single-layer and double-layer closure at cesarean delivery (Durnwald and Mercer). 2003;189:925-9

Uterine rupture: risk factors and pregnancy outcome (Ofir et al). 2003;189:1042-6

Uterus

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Bilateral hematosalpinx in a case of ectopic pregnancy: a clinical dilemma (Sindos et al). 2003;189:892-3

Collagen content and growth factor immunoexpression in uterine lower segment of type IA osteogenesis imperfecta: relationship with recurrent uterine rupture in pregnancy (Di Lieto et al). 2003;189:594-600

High intraepithelial expression of estrogen and progesterone receptors in the transformation zone of the uterine cervix (Remoue et al). 2003;189:1660-5

Mapping of zones of altered morphology and chorionic connective tissue cellular phenotype in human fetal membranes (amniochorion and decidua) overlying the lower uterine pole and cervix before labor at term (McParland et al). 2003;189:1481-8

Placement of the vaginal 17β-estradiol tablets in the inner or outer one third of the vagina affects the preferential delivery of 17β-estradiol toward the uterus or periurethral areas, thereby modifying efficacy and endometrial safety (Cicinelli et al). 2003;189:55-8

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McIndoe procedure for vaginal agenesis: long-term outcome and effect on quality of life (Klingele et al). 2003;189:1569-73

Menstrual phase-dependent gene expression differences in periurethral vaginal tissue from women with stress incontinence (Chen et al). 2003;189:89-97

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